SECTION 1: Identification of the substance/mixture and of the company/undertaking

Product Name:	Tile and Grout Prep
Product Code:	01-01-002
Product Use:	Tile surface cleaning and preparation
Manufacturer :	SaniGLAZE International, LLC
Address:	4526 Lenox Ave, Jacksonville, FL 32205
Phone:	800-874-5554
Emergency Telephone Number	ChemTel Inc. (800) 255-3924

SECTION 2: Hazards Identification

Classification:

Skin Irritation: Category 1B
Eye Irritation: Category 1

GHS Label elements, including precautionary statements:

Signal word: Danger

Pictogram:

Hazard statements:

H314	Causes severe skin burns and eye damage.
H315	Causes skin irriatation.
H319	Causes serious eye irriatation.

Precautionary statements:

Prevention:

P102	Keep out of reach of children.
P103	Read label before use.
P202	Do not handle until all safety precautions have been read and understood.
P260	Do not breathe mist or spray.
P262	Do not get in eyes, on skin, or on clothing.
P264	Wash thoroughly after handling.
P280	Wear rubber, nitrile or neoprene protective gloves and clothing, and safety goggles.

Response:

P301+312+330+331	IF SWALLOWED Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.
P301+361+353	IF ON SKIN (or hair) Remove/Take off Immediately all contaminated clothing. Rinse SKIN with water/shower for 15 minutes or until skin no longer feels slick. Immediately call a POISON CENTER or doctor/physician.
P304+340	IF INHALED Remove victim to fresh air and Keep at rest in a position comfortable for breathing.
P305+311+351+P336	IF IN EYES: Flush eyes with running water for at least 15 minutes while lifting lids periodically. Immediately call a POISON CENTER or doctor/physician.

Storage: P405 locked up

Disposal: P501: Treat empty containers as hazardous. Dispose of spill clean-up and other wastes in accordance with Federal, State, and local regulations. Consign any recovered product not suitable for reuse or recycling to an appropriate and approved waste treatment or disposal facility. Although not a listed RCRA hazardous waste, this material may exhibit one or more characteristics of a hazardous waste and require appropriate analysis to determine specific disposal requirements. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

SECTION 3: Composition/Information on Ingredients

Chemical Name	CAS No.	EINECS No.	Classification		Content
			Hazard Class and Category	Hazard Code	
Hydrochloric acid	7647-01-0	231-791-2	Skin Corr: 1B Resp irri: 3	H314 H335	> 26%
Sulfamic acid	5329-14-6	226-218-8	Skin Corr.: 2 Eye irri.: 2A Aquatic: 3	H315 H319	< 9%
Hydroxyacetic Acid	79-14-1	201-180-5	Swallow: 4 Skin Corr.: 1A	H302 H314	<6%
Other Non hazardous components					

SECTION 4: First aid measure

Description of first aid measures:

General Advise: Consult physician. Show this safety data sheet to the doctor in attendance.

If inhaled: Move victim to fresh air and keep at rest in a position comfortable for breathing.

In case of skin contact: Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. If irritation persists, consult doctor/physician.

In case of eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.

If swallowed: DO NOT induce omitting. Do not give anything by mouth to an unconscious person. Get prompt medical attention.

Most important symptoms and effects, both acute and delayed: Caustic effect on skin, mucous membranes, cramps, gastric or intestinal disorders, coughing and nausea.

SECTION 5: Fire-fighting measures

Suitable extinguishing media: Use any means suitable for extinguishing surrounding fire.

Specific hazard arising from chemical: May evolve hydrogen gas or sulfur dioxide (SO_2), if this product is involved in a fire.

Advice to firefighters: Keep containers cooled with a water spray if involved in a fire. Liquid, vapors and mists are corrosive.

Protective equipment: Wear self-contained breathing apparatus and full protective gear

SECTION 6: Accidental release measures

Personal Precautions, Protective Equipment and Emergency Procedures:
Ventilate area of leak or spill. Keep unnecessary and unprotected people away from area of spill. Wear appropriate personal protective equipment and clothing during clean-up

Environmental precautions: DO NOT contaminate municipal sewers or other open bodies of water with runoff.

Methods and material for containment and clean-up: Dike the spill immediately with appropriate materials to prevent the spread of liquid. Absorb the liquid with an inert absorbent such as sand, dirt, vermiculite or "oil-dri", or use commercial absorbent pads. Transfer liquids and solid diking material to suitable containers, and dispose of in accordance with local, state, and federal regulations.

SECTION 7: Handling and storage

Conditions for safe storage, including any incompatibilities: Avoid contact with skin and eyes. Keep containers closed when not in use. Empty containers may contain residue. All containers should be disposed of in an environmentally safe manner, and in accordance with all governmental regulations. Keep this and all chemicals out of the reach of children.

SECTION 8: Exposure controls/personal protection

Airborn exposure limits: Hydrochloric Acid: OSHA PEL-TWA: 7 mg/m^3 NIOSH REL - TWA: 7 mg/m^3

Engineering controls: Local exhaust is recommended when used in enclosed areas

Personal protective equipment:

Respiratory protection: Use in a well-ventilated area. If mist is being generated and exceeds the TLV, a respiratory protection program meeting OSHA 1910.134 and ANSI Z88.2 requirements must be followed.

Eye protection: Safety glasses (ANSI Z87.1) or approved equivalent as necessary to minimize eye contact hazards.

Skin protection: Neoprene or other materials may be used if there is documented evidence of compatibility.

Personal Hygiene: Use proper industrial hygiene practices to minimize hazardous exposure. Wash hands after handling this material, and before eating or smoking

SECTION 9: Physical and chemical properties

APPEARANCE: Clear, light amber liquid
ODOR: Slight astringent
PHYSICAL STATE: Liquid
pH AS SUPPLIED: < 1
pH (Other):
BOILING POINT: >212 °F
MELTING POINT: <32 °F
FREEZING POINT:
VAPOR PRESSURE (mmHg): Same as water.
VAPOR DENSITY (AIR = 1): Same as water
SPECIFIC GRAVITY (H2O = 1): 1.10
EVAPORATION RATE(H2O = 1): >1
SOLUBILITY IN WATER: Water miscible
PERCENT SOLIDS BY WEIGHT:
No data available

PERCENT VOLATILE (BY WT):
No data available

FLAMMABLE LIMITS:
No data available

FLASH POINT:
No data available

AUTOIGNITION TEMPERATURE:
No data available

SECTION 10: Stability and reactivity

Stability:	Stable
Conditions to avoid (stability):	None
Incompatibility (material to avoid):	Strong oxidizers, strong acids
Hazardous decomposition or by-products:	May evolve carbon monoxide, carbon dioxide, and other unidentified fragments if this product is involved in a fire.
Hazardous polymerization:	Will not occur

SECTION 11: Toxicological information

Potential health effects:

Eyes:	May cause eye irritation, chemical burns and possible permanent tissue damage or blindness
Skin:	Irritating and corrosive. Prolonged contact may cause dermatitis, drying of skin or tissue damage.
Ingestion:	Do not take internally. Corrosive and toxic if ingested. May cause burning, irritation of mouth and throat, nausea, gastrointestinal distress or diarrhea.
Inhalation:	If sprayed or misted may cause chemical pneumonitis, irritation, or chemical burns.

Acute health hazards: Liquid is corrosive to tissue.

Chronic health hazards: Liquid is corrosive to tissue.

Aggravation of pre-existing conditions: Contact or breathing mists may exacerbate existing skin or respiratory.

Carcinogenic effects: NONE

Teratogenicity/reproductive toxicity:
NONE

Mutagenic effects: NONE

Numerical measures of toxicity: NONE

SECTION 12: Ecological information

Not available

SECTION 13: Disposal consideration

Waste disposal method: Incinerate this material and all associated wastes, or bury in an approved landfill in accordance with governmental regulations. If these options are not available, consign the recovered material to a licensed hazardous waste contractor.

RCRA hazard class: Corrosive (concentrated, undiluted form)

SECTION 14: Transportation information

U.S. DEPARTMENT OF TRANSPORTATION

Proper shipping name: Corrosive liquid, acidic organic, NOS (contains Hydrochloric acid and Sulfamic acid), 8, PG III
Hazard class: 8
Id number: UN 3264
Packing group: III
Label statement: Corrosive

SECTION 15: Regulatory information

U.S. Federal Regulations
TSCA (Toxic Substance Control Act): All ingredients are TSCA approved.
CERCLA (Comprehensive Response Compensation, and Liability Act):
SARA Title iii (superfund amendments and reauthorization act): section 302: EHS reporting not required

SECTION 16: Other information

HMIS Hazardous Classification:	**Health:**	2
	Flammability:	0
	Reactivity:	1

PREPARATION INFORMATION: All Sections: New GHS Format
Revision Date: 06/26/2015

DISCLAIMER: This information is, to the best of our knowledge and belief, accurate and reliable as of the date completed. However no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the completeness and suitability of such information for his own particular use. We do not accept liability for any loss or damage that may occur from the use of this information, nor do we offer any warranty against patent infringement.

----------END OF SDS----------

SaniGLAZE
TILE & HARD SURFACE RESTORATION

Safety Data Sheet

Date: 10/20/2019

SECTION 1: Identification of the substance/mixture and of the company/undertaking

Product Name:	Tile Glaze Remover
Product Code:	01-02-019
Product Use:	Etching Compound
Manufacturer:	SaniGLAZE International, LLC
Address:	4526 Lenox Ave., Jacksonville, FL 32205
Phone:	800-874-5554
Emergency Telephone No.:	ChemTel Inc. (800) 255-3924

SECTION 2: Hazards Identification

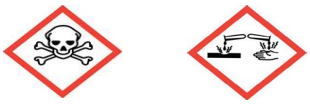
Classification of substance of mixtures:

GHS Classification:	Acute toxicity, oral	Category 3
	Skin corrosion	Category 1B
	Eye damage irritation	Category 1

GHS Label elements, including precautionary and hazard statements:

Signal word: DANGER

Pictogram



Hazard statements:

- H301 Toxic if swallowed
- H314 Causes severe skin burns and eye damage.
- H318 Causes serious eye damage

Precautionary statements:

Prevention:

- P264 Wash hands thoroughly after handling.
- P270 Do not eat, drink or smoke when using this product.
- P260 Do not breathe dusts or mists.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response:

- P301+310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
- P321 Specific treatment (Refer SDS section 4)
- P330 Rinse mouth.
- P301+330+331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
- P303+361+353 IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
- P363 Wash contaminated clothing before use.
- P304+340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P310 Immediately call a POISON CENTER or doctor/physician.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.
- P310 Immediately call a Poison Center or doctor/physician.

Storage:

- P405 Store locked up.

Disposal:	P501	Dispose contents/container in accordance with local, regional, national and international regulations.

SECTION 3: Composition/Information on Ingredients

Chemical Name CAS No. Content By Weight	Ammonium Biflouride 1341-49-7 10-25%
Chemical Name CAS No. Content By Weight	Phosphoric Acid 7664-38-2 5-10
Non-hazardous components	35-85%

SECTION 4: First aid measure

Descriptions of first aid measures:
If on eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. Get immediate medical advice/attention.
If on skin (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower until no traces of chemical remains.
If swallowed: DO NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician
If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.

SECTION 5: Fire-fighting measures

Extinguishing media:
Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Unsuitable extinguishing media: No date available
Special protective measure: Wear self-contained, approved breathing apparatus and full protective clothing, including eye protection and boots.
Specific hazards arising from the chemical: Emit toxic fumes (nitrogen oxides, hydrogen fluoride gas, ammonia) under fire conditions. (See also Stability and Reactivity section).

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures.

Personal precaution, protective equipment and emergency procedures: Avoid contact with skin, eyes or clothing. Wear appropriate protective clothing and equipment to prevent contact.
Environmental precautions: Prevent spillage from entering drains. Any release to the environment may be subject to federal/national or local reporting requirements.
Methods and materials for containment and cleaning up: Contain spilled liquid with sand or earth. Recover by pumping or with suitable absorbent. Dispose of all waste and clean up materials in accordance with regulations.

SECTION 7: Handling and storage

Precautions for safe handling: Refer section 8 for recommendations on the use of personal protective equipment. Use with adequate ventilation. Thoroughly wash after using. Keep container closed when not in use.
Conditions for safe storage, including any incompatibilities: Store in cool, dry well-ventilated area. Keep away from incompatible materials. (Refer section 10 for incompatibilities)

SECTION 8: Exposure controls/personal protection

Control parameters:

Engineering controls: Ventilation should be provided to control worker exposures. And prevent health risk.
Occupational exposure controls: Ventilation and appropriate grounding of containers.

Component	Exposure Limit	Basis	Entity
Ammonium Biflouride	2.5mg/m3	PEL	OSHA
	2.5mg/m3	TLV	ACGIH
	2.5mg/m3	IDLH	NOISH
Phosphoric Acid	1 mg/m3	PEL	OSHA
	1000mg/m3	IDLH	NOISH
	3mg/m3	TLV	ACGIH

Personal protective equipment:
Eyes: Wear chemical safety glasses and goggles with a face shield.
Inhalation: Provide local exhaust, preferably mechanical. If exposure levels are excessive, use an approved respirator.
Skin: Wear nitrile gloves, rubber apron or full chemical suit and boots.
Other recommendations: Provide eye wash stations, quick drench showers and washing facilities accessible to areas of use and handling.

SECTION 9: Physical and chemical properties

Appearance
- Physical state: Liquid
- Color: Clear colorless liquid

Odor: Characteristic
Odor threshold: Not available
pH: 2
Melting point/freezing point: Not available
Initial boiling point/boiling range: Not available
Flash point: Not considered to be a fire hazard
Evaporation rate: Not available
Flammability (solid, gas) Not flammable
Upper/Lower flammability or explosive limits
- Flammability limit-lower (%): Not available
- Flammability limit-upper (%): Not available

Vapor pressure: Not available
Vapor density: Not available
Solubility (ies): Infinite
Specific gravity: Not determined
Partition coefficient
- (n-octanol/water): Not available

Auto-ignition temperature: Not available
Decomposition temperature: Not available

SECTION 10: Stability and reactivity

Chemical stability: Stable

Chemical reactivity: None under normal processing.
Possibility of hazardous reactions: None under normal processing.
Condition to avoid: Contact with metals and alkalis may release flammable hydrogen gas. Reacts with acids to liberate toxic and corrosive hydrogen fluoride. Reacts with bases to liberate ammonia. Mixtures with nitromethanes may be explosive.
Incompatible Materials
Acids. Alkali. Caustic. sulfides. Cyanides. Organic peroxides. Halogenated organics. Sulfur oxides. Ammonia.
Hazardous decomposition: Thermal decomposition may yield toxic hydrogen fluoride, nitric oxides, and ammonia. Phosphorous oxides.

SECTION 11: Toxicological information

Information on likely route and sign and symptoms of exposure

Ingestion:	Ulceration, nausea, vomiting, diarrhea, abdominal pain
Inhalation:	Chest pain, dyspnea, muscle spasm, bronchopneumonia
Skin contact:	Burns
Eye contact:	Conjunctivitis, corneal burns, and blindness
Chronic toxicity	Damage to organs: Lungs, mucous membranes
Teratogenicity	Not available
Mutagenicity	Not available
Embryotoxicity	Not available

Specific target organ toxicity: No data available
Acute toxicity

Skin:	Not available
Eyes:	Not available
Respiratory:	Not available
Ingestion:	Oral: LD50-rat-130 mg/kg

Carcinogenicity

IARC	Not classified as to its carcinogenicity to human.
ACGIH	No component of this product present at levels greater than or equal to 0.1% is identified as carcinogen or potential carcinogen by ACGIH.
NTP	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

SECTION 12: Ecological information

Ecotoxicity:
Toxicity to fish: LC50 - Oncorhynchus gorbuscha - 0.068 mg/L - 96h
Toxicity to daphnia and other aquatic invertebrates: EC50 - Daphnia magna - 10.5 mg/L- 96h
Toxicity to algae: EC50 - various algae species- 43 mg/L - 96 h
Toxicity to microorganisms: NOEC50 - activated sludge - 510 mg/L - 3h

Persistence and degradability	Not available
Bio-accumulative potential	Not available
Mobility in soil	Not available
PBT and vPVB Assessment	Not available
Other adverse effects	Not available

SECTION 13: Disposal consideration

Waste disposal method: Dispose of in accordance with federal, state and local authorities.
Contaminated packaging: Dispose of container and unused content in accordance with federal, state and local requirements.

SECTION 14: Transportation information

US Department Of Transportation

Shipping Name:	Corrosive liquid, acidic, inorganic, n.s.o (ammonium hydrogendiflouride, phosphoric acid)
Hazard Class:	8
UN Number:	UN3264
Packaging Group:	PGII
Label statement:	Corrosive

SECTION 15: Regulatory information

TSCA inventory status	Substance is listed on the TSCA inventory
DSCL (EEC)	Substance is listed on the DSCL inventory
California proposition 65	Not listed
Massachusetts Right to Know Act	Not listed
New Jersey Right to Know Act	Listed
Pennsylvania Right to Know Act	Listed
Minnesota Right to Know Act	Listed
Florida Right to Know Act	Listed (Ammonium biflouride)
SARA 302	Not listed
SARA 304	Not listed
SARA 311	Ammonium Bifluoride, Phosphoric acid
SARA 312	Ammonium Bifluoride, phosphoric acid
SARA 313	Not listed
WHIMIS Canada	Class E, corrosive material.

SECTION 16: Other information

SDS MADE: 5/28/2019

NFPA Ratings

Health	3
Flammability	0
Reactivity	0

HMIS Ratings

Health	3
Flammability	0
Reactivity	0

Abbreviation and acronyms

ACGIH	American Conference of Governmental Industrial Hygienists
CAS	Chemical Abstract Service
CEIL	Ceiling
DOT	Department of Transportation
GHS	Globally Harmonized System
HCS	Hazards Communication Standards
HMIS	Hazardous Materials Identification System
IDLH	Immediate Dangerous to Life or Health
NA	Not Applicable
NE	Not Established
NIOSH	National Institute of Occupational Safety and Health
NFPA	National Fire Protection Association
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
REL	Recommended Exposure Limit
SARA	Superfund amendments and Reauthorization Act
STEL	Short Term Limit
TLV	Threshold Limit Value
TSCA	Toxic Substances Control Act
TWA	Time Weighted Average
WHMIS	Workplace Hazardous Material Information System
WEEL	Workplace Environmental Exposure Levels

Disclaimer: SaniGLAZE International, LLC provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This documentation is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product.

----------END OF SDS----------

1. IDENTIFICATION

Product name: SaniTECH Semigloss
Product Code: 01-02-025/S
Product Use: Tile Coating
Manufacturer: SaniGLAZE International, LLC
Address: 4526 Lenox Ave
Jacksonville, FL 32205
Phone: (800) 874-5554
Emergency telephone number: CHEM-TEL (800) 255-3924

2. HAZARDS IDENTIFICATION

Physical state Liquid

Classification

This chemical does not meet the hazardous criteria set forth by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). However, this Safety Data Sheet (SDS) contains valuable information critical to the safe handling and proper use of this product. This SDS should be retained and available for employees and other users of this product.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Please also refer to subsequent sections of this SDS for additional information regarding the components of this product.

Chemical Name	CAS No.	Weight-%
tributoxyethyl phosphate	78-51-3	1-5

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. FIRST-AID MEASURES

First Aid Measures

General Advice Provide this SDS to medical personnel for treatment.

Eye Contact Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Skin Contact Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention.

Inhalation Remove exposed individual(s) to fresh air for 20 minutes. Consult a physician / poison center if individual's condition declines or if symptoms persist.

Ingestion Do not induce vomiting. Call a poison center or doctor/physician if you feel unwell.

Most important symptoms and effects

Symptoms EFFECTS OF OVEREXPOSURE: Inhalation-Dizziness, breathing difficulty, headaches, loss of coordination, unconsciousness, and death. Eye contact-Severe irritation, tearing, redness, blurred vision, and blindness. Skin contact- irritation, and dermatitis. Ingestion-Can

cause gastrointestinal irritation, vomiting, nausea, diarrhea, and death.

Indication of any immediate medical attention and special treatment needed

Notes to Physician Treat symptomatically. Medical conditions prone to aggravation by exposure: Anesthesia, respiratory tract irritation, dermatitis, nausea, and vomiting.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media
Foam. Carbon dioxide (CO2). Dry chemical. Water spray (fog). Alcohol foam.

Unsuitable Extinguishing Media Not determined.

Specific Hazards Arising from the Chemical
Material does not support combustion.

Hazardous Combustion Products Carbon monoxide. Carbon dioxide (CO2). Oxides of nitrogen.

Protective equipment and precautions for firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions Wear protective clothing as described in Section 8 of this safety data sheet. Provide adequate ventilation.

Environmental precautions

Environmental precautions Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information.

Methods and material for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so. Dike to collect large liquid spills. Soak up and contain spill with an inert (i.e. vermiculite, dry sand or earth) absorbent material.

Methods for Clean-Up Use only non-sparking tools. Sweep up spills and place in a metal container. For waste disposal, see section 13 of the SDS.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling Handle in accordance with good industrial hygiene and safety practice. Smoking in areas where this material is used should be strictly prohibited.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep container tightly closed and store in a cool, dry and well-ventilated place. Keep away from excessive heat and open flames. Avoid hot metal surfaces.

Incompatible Materials Oxidizing materials. Strong acids. Alkaline materials.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines No exposure limits noted for ingredient(s). The following information is given as general guidance

Appropriate engineering controls

Engineering Controls Showers
Eyewash stations
Ventilation systems. Good general mechanical ventilation. Local exhaust recommended.

Individual protection measures, such as personal protective equipment

Eye/Face Protection Use chemical safety glasses, goggles, and face shields for eye protection. Refer to 29 CFR 1910.133 for eye and face protection regulations.

Skin and Body Protection Impermeable chemical handling gloves for skin protection. Use impermeable aprons and protective clothing whenever possible to prevent skin contact. The use of head caps whenever possible is strongly recommended. Refer to 29 CFR 1910.138 for appropriate skin and body protection.

Respiratory Protection When spraying this material use a NIOSH approved cartridge respirator or gas mask suitable to keep airborne mists and vapor concentration below the time-weighted threshold limit values. When using in poorly ventilated and confined spaces, use a fresh-air supplying respiratoror a self-contained breathing apparatus. Refer to 29 CFR 1910.134 for respiratory protection requirements.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Liquid		
Appearance	Not determined	**Odor**	Not determined
Color	Not determined	**Odor Threshold**	Not determined

Property	**Values**	**Remarks • Method**
pH	Not determined	
Melting Point/Freezing Point	Not determined	
Boiling Point/Boiling Range	100-230 °C / 212-446 °F	
Flash Point	> 93.3 °C / > 200 °F	
Evaporation Rate	Same as water	
Flammability (Solid, Gas)	Liquid-Not applicable	
Flammability Limits in Air		
Upper Flammability Limits	Not determined	
Lower Flammability Limit	Not determined	
Vapor Pressure	Not determined	
Vapor Density	Not determined	
Relative Density	Not determined	
Water Solubility	Not determined	
Solubility in other solvents	Not determined	
Partition Coefficient	Not determined	
Auto-ignition Temperature	Not determined	
Decomposition Temperature	Not determined	
Kinematic Viscosity	Not determined	
Dynamic Viscosity	Not determined	

Explosive Properties Not determined
Oxidizing Properties Not determined

Other Information

VOC Content (%) 76.6%
VOC Content 0.58 lbs/gal, 69 g/L
Density 8.62 lbs/gal, 1026 g/L

10. STABILITY AND REACTIVITY

Reactivity
Not reactive under normal conditions.

Chemical Stability
Stable under recommended storage conditions.

Possibility of Hazardous Reactions
Dried residue is subject to spontaneous combustion.

Hazardous Polymerization Under normal conditions of storage and use, hazardous polymerization will not occur.

Conditions to Avoid
Incompatible Materials. Excessive heat. Poor ventilation. Corrosive atmospheres, excessive aging.

Incompatible Materials
Oxidizing materials. Strong acids. Alkaline materials.

Hazardous Decomposition Products
Carbon monoxide. Carbon dioxide (CO2). Nitrogen oxides (NOx).

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Eye Contact Avoid contact with eyes.

Skin Contact Avoid contact with skin.

Inhalation Do not inhale.

Ingestion Do not ingest.

Component Information

Chemical Name	ATEmix (oral)	ATEmix (dermal)	Inhalation LC50
Dipropylene glycol monobutyl ether 29911-28-2	= 1620 µL/kg (Rat)	= 5860 µL/kg (Rabbit)	= 42.1 ppm (Rat) 4 h
tributoxyethyl phosphate 78-51-3	= 3 g/kg (Rat)	> 16 mL/kg (Rabbit)	> 6.4 mg/L (Rat) 4 h

Information on physical, chemical and toxicological effects

Symptoms Please see section 4 of this SDS for symptoms.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity Based on the information provided, this product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

Numerical measures of toxicity

The following values are calculated based on chapter 3.1 of the GHS document .

ATEmix (oral) 75,969.00 mg/kg

12. ECOLOGICAL INFORMATION

Ecotoxicity

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Component Information

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Dipropylene glycol monobutyl ether 29911-28-2		841: 96 h Poecilia reticulata mg/L LC50 static	
tributoxyethyl phosphate 78-51-3		10.4 - 12.0: 96 h Pimephales promelas mg/L LC50 flow-through	

Persistence/Degradability

Not determined.

Bioaccumulation

Not determined.

Mobility

Chemical Name	Partition Coefficient
tributoxyethyl phosphate 78-51-3	4.78

Other Adverse Effects

Not determined

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Wastes Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. TRANSPORT INFORMATION

Note Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT Not regulated

IATA Not regulated

IMDG Not regulated

15. REGULATORY INFORMATION

International Inventories

Chemical Name	TSCA	DSL/NDSL	EINECS/ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Dipropylene glycol monobutyl ether	X	X	X	Present	X	Present	X	X
tributoxyethyl phosphate	X	X	X	Present	X	Present	X	X

Legend:

TSCA *- United States Toxic Substances Control Act Section 8(b) Inventory*

DSL/NDSL *- Canadian Domestic Substances List/Non-Domestic Substances List*

EINECS/ELINCS *- European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances*

ENCS *- Japan Existing and New Chemical Substances*

IECSC *- China Inventory of Existing Chemical Substances*

KECL *- Korean Existing and Evaluated Chemical Substances*

PICCS *- Philippines Inventory of Chemicals and Chemical Substances*

AICS *- Australian Inventory of Chemical Substances*

US Federal Regulations

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

This product does not contain any substances regulated under applicable state right-to-know regulations

16. OTHER INFORMATION

NFPA	**Health Hazards**	**Flammability**	**Instability**	**Special Hazards**
	Not determined	Not determined	Not determined	Not determined
HMIS	**Health Hazards**	**Flammability**	**Physical hazards**	**Personal Protection**
	Not determined	Not determined	Not determined	Not determined

Issue Date: 26-May-2016
Revision Date: 10-Jun-2016
Revision Note: New format

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet

SaniGLAZE

Safety Data Sheet

03/09/2018

SECTION 1: Identification of the substance/mixture and of the company/undertaking

Product Name:	SaniTECH II Stripper
Product Code:	01-02-016
Product Use:	Stripper
Manufacturer:	SaniGLAZE International
Address	4526 Lenox Avenue Jacksonville, FL 32205
Phone:	800-874-5554
Emergency Telephone Number:	ChemTel Inc. (800) 255-3924

SECTION 2: Hazards Identification

Classification of substance and mixtures:

Acute toxicity, oral	Category 4
Acute toxicity, dermal	Category 4
Acute toxicity, inhalation	Category 4
Skin corrosion/irritation	Category 1
Eye damage/eye irritation	Category 1
Specific target organ toxicity, (SE)	Category 3
Hazardous to aquatic environment, acute	Category 3

Signal word: DANGER

Pictogram

GHS Label elements, including hazard and precautionary statements:

Hazard statements:	H302	Harmful if swallowed
	H312	Harmful in contact with skin.
	H332	Harmful if inhaled
	H314	Causes severe skin burns and eye damage
	H318	Causes serious eye damage
	H335	May cause respiratory irritation; or
	H336	May cause drowsiness or dizziness
	H402	Harmful to aquatic life

Precautionary statements:

Prevention:	P280	Wear protective gloves/protective clothing.
	P264	Wash skin or hands thoroughly after handling.
	P261	Avoid breathing dust/fume/gas/mist/vapours/spray
	P271	Use only outdoors or in a well-ventilated area.
	P273	Avoid release to the environment.
Response:	P301+312	IF SWALLOWED: Call a POISON CENTER/DOCTOR if you feel unwell.
	P302+352	IF ON SKIN: Wash with plenty of water.
	P312	Call a POISON CENTER/doctor if you feel unwell.
	P321	Specific treatment (check section 4)
	P362+364	Take off contaminated clothing and wash it before reuse.
	P304+340.	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
	P301+330+331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
	P303+361+353	IF ON SKIN (oh hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
	P305+351+338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Storage:	P403+233	Store in a well-ventilated place. Keep container tightly closed.

	P405	Store locked up.
Disposal:	P501	Dispose contents/containers in accordance to local, regional, national, international regulations.

SECTION 3: Composition/Information on Ingredients

Chemical Name:	2-aminoethanol	Benzyl Alcohol	2-Butoxyethanol
CAS No.:	141-43-5	100-51-6	111-76-2
Content (w/w):	5- <10 %	5-<10	25- <30 %

SECTION 4: First aid measure

Description of first aid measures:
General Advise: Consult physician. Show this safety data sheet to the doctor in attendance.
If inhaled: Move casualty to fresh air and keep at rest in a position comfortable for breathing. Get prompt medical attention.
In case of skin contact: Remove immediately all contaminated clothing. Rinse skin with plenty of water or shower.
In case of eye contact: Rinse eyes cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If swallowed: Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER/DOCTOR if you feel unwell.

SECTION 5: Fire-fighting measures

Extinguishing media:
Suitable extinguishing media: Alcohol resistant foam. Dry powder. Carbon dioxide
Unsuitable extinguishing media: Do not use heavy water stream or water jet.
Special protective measure: Do not enter fire area without proper equipment, including self-contained breathing apparatus and full protective clothing.
Specific hazards arising from the chemical: Under fire condition hazardous fumes will be present.
Further information: Exercise caution when fighting any chemical fire. Avoid fire-fighting water enter environment.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures:
Ventilate area of leak or spill. Remove all sources of ignition. Wear appropriate personal protective equipment as specified in Section 8. Isolate hazard area. Keep unnecessary and unprotected personnel from entering.
Methods and materials for containment and cleaning up: Large spill: Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Avoid runoff into storm sewers or ditches that lead to waterways. Small spill: Wipe the contaminated area with absorbent material to remove all residual contamination. See section 13 for proper waste disposal.
Environmental precautions: Prevent enter to sewers and public water. Notify authorities if product enters sewers or public water.

SECTION 7: Handling and storage

Precaution for safe handling: Wash thoroughly after handling. Obtain special instructions before use. Use only outdoors or in a well-ventilated area. Provide good ventilation in process area to prevent formation of vapour. Avoid breathing dust, fume, gas, mist, vapours, spray. Avoid release to environment.
Conditions for safe storage, including any incompatibilities: Keep only in the original container in a cool, well-ventilated place. Keep container tightly closed. Store away from incompatible materials (see section 10 of this SDS).

SECTION 8: Exposure controls/personal protection

Engineering controls: Facilities storing or using the material should be equipped with eye wash station and safety shower. Use adequate general or local exhaust ventilation to keep airborne concentrations below permissible exposure limit.

Occupational exposure limit:

Components	Exposure Limit	Basis	Entity
2-aminoethanol 141-43-5	6mg/m3 3 ppm	PEL	US. OSHA table z-1 limits for air contaminants (CFR 1910.1000)
2-Butoxyethanol 111-76-2	240 mg/m3	PEL	
	50ppm		
2-aminoethanol 141-43-5	6ppm	STEL	US. ACGIH Threshold Limit Values Components
	3ppm	TWA	
2-Butoxyethanol 111-76-2	20ppm	TWA	
2-aminoethanol 141-43-5	15mg/m3 6ppm	STEL	US. NOISH: Pocket Guide to Chemical Hazards Components
	8mg/m3 3ppm	TWA	
2-Butoxyethanol 111-76-2	24mg/m3	TWA	
	5ppm		
Benzyl Alcohol 100-51-6	44.2mg/m3	TWA	US. AIHA Workplace Environmental Exposure Level (WEEL) Guides Components.
	10ppm		

Personal protective equipment
Eye protection: Where eye contact is likely, wear chemical goggles; contact lens use is not recommended
Skin protection/hand protection: Where skin contact is likely, use chemical resistant gloves; use of natural rubber or equivalent gloves is not recommended. To avoid prolonged or repeated contact where spills and splashes are likely, wear appropriate chemical-resistant face shield, boots, apron, coveralls, long sleeve shirts, or other protective clothing.
Respiratory protection: With adequate ventilation; none normal required.
Personal hygiene: Use good personal hygiene. Wash thoroughly with soap and water after handling product and before eating and drinking.

SECTION 9: Physical and chemical properties

Appearance
Physical state: Clear colorless liquid
Color: Clear
Odor: Mild solvent odor
Odor threshold: Not available
pH: 11-12
Melting point/freezing point: Not available
Initial boiling point/boiling range: 210 °F
Flash point: >200.0°F Tag closed up
Evaporation rate: <1 ethyl ether=1
Flammability (solid, gas)
Upper/Lower flammability or explosive limits
Flammability limit-lower (%): Not available
Flammability limit-upper (%): Not available
Vapor pressure: 16 mmHg
Vapor density: 1.6 Air=1
Solubility (ies): Appreciable
Specific gravity: Not available
Partition coefficient
(n-octanol/water): Not available
Auto-ignition temperature: Not available
Decomposition temperature: Not available
VOC. 27% CARB
34.2% US EPA

SECTION 10: Stability and reactivity

Chemical stability: Stable under ordinary conditions of use, storage and transport.
Possibility of hazardous reactions: No known dangerous reaction under condition of normal use.
Condition to avoid: Direct sunlight, extremely high or low temperature, and ignition sources.
Incompatible materials: Avoid temperature exceeding the flash point. Avoid contact with incompatible materials.
Hazardous decomposition: No hazardous decomposition products are known.

SECTION 11: Toxicological information

2-Butoxyethanol
111-76-2
Acute toxicity:

Oral	LD50	Guinea pig	5.9 g/kg estimated
Dermal	LD50	Rabbit	70000 mL/kg estimated
Inhalation	LC100	Rat	2924 mg/l, 8hrs estimated

Benzyl Alcohol
100-51-6

Acute toxicity

Dermal	LD50	Rabbit	2000 mg/kg
Inhalation	LC100	Rat	200-300 mg/l, 8hrs
Oral	LD50	Mouse	1580 mg/kg
		Rabbit	1940 mg/kg

2-aminoethanol
141-43-5
Acute toxicity

Dermal	LD50	Rabbit	400 mg/kg
Inhalation	LC50	Rat	450 ppm, 4hrs
Oral	LD50	Rat	560 mg/kg

Skin corrosion/irritation: Causes severe skin burns and eye damage.
Serious eye damage/eye irritation: Causes serious eye damage
Respiratory or skin sensitization: Not a respiratory sensitizer.
Skin sensitization: This product is not expected to cause skin sensitization.
Germ cell mutagenicity: No data available that indicate product, or any components present at greater than 0.1% are mutagenic or genotoxic.
Carcinogenicity
IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by ACGIH
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by NTP.
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by OSHA.

SECTION 12: Ecological information

Ecotoxicity: Harmful to aquatic life.
Benzyl Alcohol
100-51-6

Aquatic	LC50	Bluegill (lepomis macrochirus)	10 mg/l, 96hrs

2-aminoethanol
141-43-5

Aquatic	LC50	Inland silverside (Menidia beryllina)	1250 mg/l, 96hrs

Persistence and degradability: No data available
Bioaccumolative potentials:
Partition coefficient n-octanol/water (log kow)
Benzyl alcohol 1.1
2-aminoethanol 0.83

Mobility in soil: Not established.
Results of PBT and vPvB assessment: The substance does not fulfill the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH. Environmental precaution: Avoid release to environment.

SECTION 13: Disposal consideration

Disposal: Collect leaking and spilled liquid in sealable containers as far as possible. Absorb remaining liquid in sand or inert absorbent and remove to safe place. Dispose in accordance to local, regional, national and international regulation.

SECTION 14: Transportation information

US Department Of Transportation

Shipping Name:	Not regulated
Hazard Class:	Not regulated
UN Number:	Not regulated
Packaging Group:	Not regulated

SECTION 15: Regulatory information

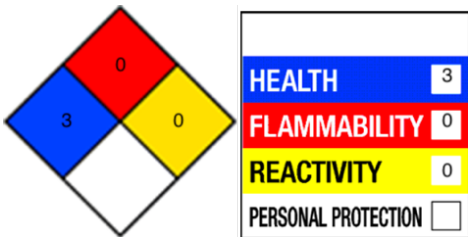
US Federal regulations: This product is a "Hazardous Chemical" as defined by OSHA Hazard Communication Standard, 29 CFR 1910.1200
TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) Not regulated
CERCLA Hazardous Substance List (40 CFR 302.4) Not listed
SARA 304 Emergency release notification Not regulated
US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) Not regulated
SARA 302 Extremely Hazardous Substance Not listed
SARA 311/312 Hazardous Chemical No
SARA 313 (TRI Reporting) Not regulated
Safe Drinking Act Not regulated
US State regulations

Components	State Regulations
2-aminoethanol 141-43-5 2-Butoxyethanol 111-76-2 Benzyl Alcohol 100-51-6	US California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100) Not listed
	US California Candidate Chemical List. Safer Consumer Products Regulations (California Code Regulations, tit.22, 69502.3, subd. (a)) 2-aminoethanol 141-43-5
	Listed (Pennsylvania) Listed (Minnesota) Listed (Massachusetts RTK) Listed (New Jersey) Not regulated (Rhode Island) (California Proposition65) This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins. WARNING: This product contains a chemical known to the State of California to cause cancer birth defects or other reproductive harm.

SECTION 16: Other information

SDS Made date: 3/09/18

NFPA Rating HMIS Ratings



4. Severe Hazard

3. Serious Hazard

2. Moderate Hazard

1. Slight Hazard

0. Minimal Hazard

Abbreviation and acronyms

ACGIH	American Conference of Governmental Industrial Hygienists
CAS	Chemical Abstract Service
CEIL	Ceiling
CFR	Code of Federal Regulation
DOT	Department of Transportation
FDA	Food and Drug Administration
GHS	Globally Harmonized System
GRAS	General Recognize As Safe
HCS	Hazards Communication Standards
HMIS	Hazardous Materials Identification System
IDLH	Immediate Dangerous to Life or Health
NE	Not Established
NIOSH	National Institute of Occupational Safety and Health
NFPA	National Fire Protection Association
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
REL	Recommended Exposure Limit
SARA	Superfund amendments and Reauthorization Act
STEL	Short Term Limit
TLV	Threshold Limit Value
TSCA	Toxic Substances Control Act
TWA	Time Weighted Average
WHMIS	Workplace Hazardous Material Information System
WEEL	Workplace Environmental Exposure Levels

Disclaimer: SaniGLAZE International provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This documentation is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product.

----------END OF SDS----------

1. Identification

Product name:	SANITECH II PART B HARDENER
Product Code:	01-025-027/H
Use:	Hardener for Tile Coating
Manufacturer:	SaniGLAZE International, LLC
Address:	4526 Lenox Ave, Jacksonville, FL 32205
Phone:	(800) 874-5554
Emergency telephone number:	CHEM-TEL (800) 255-3924

2. Hazards Identification

GHS Classification

Acute toxicity (Inhalation):	Category 4
Respiratory sensitization:	Category 1
Skin sensitization:	Category 1
Specific target organ toxicity - single exposure:	Category 3 (Respiratory system)
Specific target organ toxicity - repeated exposure (Inhalation):	Category 2 (Lungs)

GHS Label Elements

Hazard pictograms:

Signal word: Danger

Hazard statements:
May cause an allergic skin reaction.
Harmful if inhaled.
May cause allergy or asthma symptoms or breathing difficulties if inhaled.
May cause respiratory irritation.
May cause damage to organs (Lungs) through prolonged or repeated exposure if inhaled.

Precautionary statements:

Prevention:
Do not breathe dust, mist, gas, vapors or spray. Use only outdoors or in a well-ventilated area.
Contaminated work clothing must not be allowed out of the workplace.
Wear protective gloves.
In case of inadequate ventilation wear respiratory protection. The type of respiratory protection selected must comply with the requirements set forth in OSHA's Respiratory Protection Standard (29 CFR 1910.134) or regional standards. For additional details, see section 8 of the SDS.

Response:
IF ON SKIN: Wash with plenty of soap and water.

IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing.
Call a doctor or emergency medical facility (i.e. 911) if you feel unwell.
If skin irritation or rash occurs: Get medical attention.
If experiencing respiratory symptoms: Call a doctor or emergency medical facility (i.e. 911).
Wash contaminated clothing before reuse.

Storage:
Store locked up.
Store in a well-ventilated place. Keep container tightly closed.

Disposal:
Dispose of contents and container in accordance with existing federal, state, and local environmental control laws.

3. Composition/Information on Ingredients

Hazardous Components

Weight Percent	Components	CAS-No.	Classification
60 - 100%	Homopolymer of Hexamethylene Diisocyanate	28182-81-2	Acute toxicity Category 4 Inhalation. Respiratory sensitization Category 1. Skin sensitization Category 1. Specific target organ toxicity - single exposure Category 3 Respiratory system. Specific target organ toxicity - repeated exposure Category 2 Inhalation Lungs.
15 - 25%	Hydrophilic Aliphatic Polyisocyanate based on Hexamethylene Diisocyanate	666723-27-9	Acute toxicity Category 3 Inhalation. Skin sensitization Category 1. Specific target organ toxicity - single exposure Category 3 Respiratory system.
0.1 - 1%	Hexamethylene-1,6-Diisocyanate	822-06-0	Acute toxicity Category 4 Oral. Acute toxicity Category 1 Inhalation. Skin corrosion Category 1. Serious eye damage Category 1. Respiratory sensitization Category 1. Skin sensitization Category 1. Specific target organ toxicity - single exposure Category 3 Respiratory system.

The specific chemical identity and/or exact percentage of component(s) have been withheld as a trade secret.

OTHER INGREDIENTS

Weight percent	Components	CAS-No.
0.1 - 1%	N,N-dimethylcyclohexylamine	98-94-2

This product contains an amine neutralizing agent which is bound in the matrix of this product as a salt. This amine salt is considered essentially unreactive at room temperature. Generation of amine vapors is expected when this product is processed (heated) during the drying/hardening of the coating.

4. First Aid Measures

Most Important Symptom(s)/Effect(s)

Acute: Isocyanate vapors or mist at concentrations above the exposure limits or guidelines can irritate (burning sensation) the mucous membranes in the respiratory tract (nose, throat, lungs) with symptoms of runny nose, sore throat, coughing, chest discomfort, shortness of breath and reduced lung function (breathing difficulty). Persons with a preexisting, nonspecific bronchial hyperactivity can respond to concentrations below the exposure limits or guidelines with similar symptoms as well as asthma attack or asthma-like symptoms. Exposure well above the exposure limits or guidelines may lead to bronchitis, bronchial spasm and pulmonary edema (fluid in lungs). Chemical or hypersensitivity pneumonitis, with flu-like symptoms (e.g. fever, chills), has also been reported. These symptoms can be delayed up to several hours after exposure. These effects are usually reversible.

May cause skin irritation with symptoms of reddening, itching, and swelling. Can cause sensitization. Persons previously sensitized can experience allergic skin reaction with symptoms of reddening, itching, swelling, and rash. Cured material is difficult to remove.

May cause eye irritation with symptoms of reddening, tearing, stinging, and swelling. May cause temporary corneal injury. Vapor or aerosol may cause irritation with symptoms of burning and tearing.

May cause irritation of the digestive tract; Symptoms may include abdominal pain, nausea, vomiting, and diarrhea.

Delayed: Symptoms affecting the respiratory tract can also occur several hours after overexposure.

Eye Contact

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Use lukewarm water if possible. Use fingers to ensure that eyelids are separated and that the eye is being irrigated. Then remove contact lenses, if easily removable, and continue eye irrigation for not less than 15 minutes. Get medical attention if irritation develops.

Skin Contact

Immediately remove contaminated clothing and shoes. Wash off with soap and water. Use lukewarm water if possible. Wash contaminated clothing before reuse. For severe exposures, immediately get under safety shower and begin rinsing. Get medical attention if irritation develops and persists.

Inhalation

Move to an area free from further exposure. Extreme asthmatic reactions that may occur in sensitized persons can be life threatening. Get medical attention immediately. Administer oxygen or artificial respiration as needed. Asthmatic symptoms may develop and may be immediate or delayed up to several hours.

Ingestion

Do NOT induce vomiting. Wash mouth out with water. Do not give anything by mouth to an unconscious person. Get medical attention.

Notes to Physician

Eyes: Stain for evidence of corneal injury. If cornea is burned, instill antibiotic/steroid preparation as needed. Workplace vapors could produce reversible corneal epithelial edema impairing vision. Skin: This compound is a skin sensitizer. Treat symptomatically as for contact dermatitis or thermal burn. Ingestion: Treat symptomatically. There is no specific antidote. Inducing vomiting is contraindicated because of the irritating nature

of the compound. Inhalation: Treatment is essentially symptomatic. An individual having a dermal or pulmonary sensitization reaction to this material should be removed from further exposure to any diisocyanate.

5. Firefighting Measures

Suitable Extinguishing Media: Dry chemical, Carbon dioxide (CO2), Foam, water spray for large fires.

Unsuitable Extinguishing Media: High volume water jet

Fire Fighting Procedure
Firefighters should wear NFPA compliant structural firefighting protective equipment, including self-contained breathing apparatus and NFPA compliant helmet, hood, boots and gloves. Avoid contact with product. Decontaminate equipment and protective clothing prior to reuse. During a fire, isocyanate vapors and other irritating, highly toxic gases may be generated by thermal decomposition or combustion.
Exposure to heated diisocyanate can be extremely dangerous.

Hazardous Decomposition Products
By Fire and High Heat: Carbon dioxide (CO2), carbon monoxide (CO), oxides of nitrogen (NOx), dense black smoke., Hydrogen cyanide, Isocyanate, Isocyanic Acid, Other undetermined compounds

Unusual Fire/Explosion Hazards
Closed container may forcibly rupture under extreme heat or when contents are contaminated with water (CO2 formed). Use cold-water spray to cool fire-exposed containers to minimize the risk of rupture. Large fires can be extinguished with large volumes of water applied from a safe distance, since reaction between water and hot diisocyanate can be vigorous.

6. Accidental Release Measures

Spill and Leak Procedures
Implement site emergency response plan. Evacuate non-emergency personnel. The magnitude of the evacuation depends upon the quantity released, site conditions, and the ambient temperature. Isolate the area and prevent access of unauthorized personnel. Notify management. Call CHEMTREC at 1-800-424- 9300 for assistance and advice.

Wear necessary personal protective equipment (PPE) as specified in the SDS or the site emergency response plan. Ventilate and remove ignition sources. Control the source of the leak. Contain the released material by damming, diking, retaining, or diverting into an appropriate containment area. Absorb or pump off as much of the spilled material as possible. When using absorbent, completely cover the spill area with suitable absorbent material (e.g., vermiculite, kitty litter, Oil-Dri®, etc…). Allow for the absorbent material to absorb the spilled liquid. Shovel the absorbent material into an approved metal container (i.e., 55-gallon salvage drum). Do not fill the container more than 2/3 full to allow for expansion, and do not tighten the lid on the container. Repeat application of absorbent material until all liquid has been removed from the surface.

Decontaminate the spill surface area using a neutralization solution (see list of solutions on the SDS); scrubbing the surface with a broom or brush helps the decontamination solution to penetrate into porous surfaces. Wait at least 15 minutes after first application of the neutralization solution. Cover the area with absorbent material and shovel this into an approved metal container. Check for residual surface contamination using Swype® test kits, available from Colorimetric Laboratories, Inc. (CLI) at 847-803- 3737. If the Swype® test pad demonstrates that isocyanate remains on the surface (red color on pad), repeat applications of neutralization solution, with scrubbing, followed

by absorbent until the surface is decontaminated (no color change on Swype® pad). Apply lid loosely to metal waste container (do not tighten the lid because carbon dioxide gas and heat can be generated from the neutralization process). With the lid still loosely in place, move the container to an isolated, well-ventilated area to allow release of carbon dioxide. After 72 hours, seal the container, and properly dispose of the waste material and any contaminated equipment (i.e., broom or brush) in accordance with existing federal, state and local regulations.

Additional Spill Procedures/Neutralization
Products or product mixtures that have been shown to be effective neutralization solutions for decontaminating surfaces, tools, or equipment that have been in contact with an isocyanate includes: Products available through industrial suppliers:

- Spartan Chemical Company: 1-800-537-8990:
  - Spartan® ShineLine Emulsifier Plus
  - Spartan® SC-200 Heavy Duty Cleaner
- Colorimetric Laboratories, Inc. (CLI): 1-847-803-3737
  - Isocyanate Decontamination Solution
- Mix equal amounts of the following:
  - Mineral spirits (80%), VM&P Naphtha (15%), and household detergent (5%), and
  - A 50-50 mixture of monoethanolamine and water

In a separate container, blend the two solutions in a 1:1 ratio by volume. Immediately prior to applying this blended neutralization solution onto the contaminated surface area, mix or agitate the container to help ensure uniform mixing of the ingredients.

If the above products are not available, the following products can be obtained through retail outlets:

- ZEP® Commercial Heavy-Duty Floor Stripper
- Greased Lightning® Super Strength Cleaner and Degreaser
- EASY OFF® Grill and Oven Cleaner or EASY OFF® Fume Free Oven Cleaner
- A mixture of 50% Simple Green® Pro HD Heavy-Duty Cleaner and 50% household ammonia
- A mixture of 90% Fantastic® Heavy Duty All Purpose Cleaner and 10% household ammonia.

Note: Always wear proper PPE when cleaning up an isocyanate spill and using a neutralization solution. It may take two or more applications of the neutralization solution to decontaminate the surface. Check for residual surface contamination using a surface wipe method such as the CLI Swype® pad.

7. Handling and Storage

Handling/Storage Precautions
Do not breathe vapors, mists, or dusts. Use adequate ventilation to keep airborne isocyanate levels below the exposure limits. Wear respiratory protection if material is heated, sprayed, used in a confined space, or if the exposure limit is exceeded. Warning properties (irritation of the eyes, nose and throat or odor) are not adequate to prevent overexposure from inhalation. This material can produce asthmatic sensitization upon either single inhalation exposure to a relatively high concentration or upon repeated inhalation exposures to lower concentrations. Individuals with lung or breathing problems or prior allergic reactions to isocyanates must not be exposed to vapor or spray mist. Avoid contact with skin and eyes. Wear appropriate eye and skin protection. Wash thoroughly after handling. Do not breathe smoke and gases created by overheating or burning this material. Decomposition products can be highly toxic and irritating. Store in tightly closed containers to prevent moisture contamination. Do not reseal if contamination is suspected.

Storage Period:
6 Months @ 25 °C (77 °F): after receipt of material by customer

Storage Temperature
Minimum: 7 °C (44.6 °F)
Maximum: 50 °C (122 °F)

Storage Conditions
Store separate from food products.

Employee education and training in the safe use and handling of this product are required under the OSHA Hazard Communication Standard 29 CFR 1910.1200.

Substances to Avoid
Water, Amines, Strong bases, Alcohols, Copper alloys

8. Exposure Controls/Personal Protection

Homopolymer of Hexamethylene Diisocyanate (28182-81-2)
Hexamethylene-1,6-Diisocyanate (822-06-0)
US. ACGIH Threshold Limit Values
Time weighted average 0.005 ppm

Any component which is listed in section 3 and is not listed in this section does not have a known ACGIH TLV, OSHA PEL or supplier recommended occupational exposure limit.

Industrial Hygiene/Ventilation Measures
Good industrial hygiene practice dictates that worker protection should be achieved through engineering controls, such as ventilation, whenever feasible. When such controls are not feasible to achieve full protection, the use of respirators and other personal protective equipment is mandated. Exhaust air may need to be cleaned by scrubbers or filters to reduce environmental contamination. Curing ovens must be ventilated to prevent emissions into the workplace. If oven off-gases are not vented properly (i.e. they are released into the work area), it is possible to be exposed to airborne monomeric HDI.

Respiratory Protection
A respirator that is recommended or approved for use in isocyanate-containing environments (air-purifying or fresh air-supplied) may be necessary for spray applications or other situations such as high temperature use which may produce inhalation exposures. A supplied-air respirator (either positive pressure or continuous flow-type) is recommended. Before an air-purifying respirator can be used, air monitoring must be performed to measure airborne concentrations of HDI monomer and HDI polyisocyanate. Specific conditions under which air-purifying respirators can be used are outlined in the following sections. Observe OSHA regulations for respirator use (29 CFR 1910.134). SPRAY APPLICATION: A. Good industrial hygiene practice dictates that when isocyanate-based coatings are spray applied, some form of respiratory protection should be worn. During the spray application of coatings containing this product the use of a supplied-air (either positive pressure or continuous flow-type) respirator is mandatory when ONE OR MORE of the following conditions exists: -the airborne isocyanate concentrations are not known; or -the airborne isocyanate monomer concentrations exceed 0.05 ppm averaged over eight (8) hours (10 times the 8 hour TWA exposure limit); or -the airborne polyisocyanate (polymeric, oligomeric) concentrations exceed 5 mg/m3 averaged over 8 hours or 10 mg/m3 averaged over 15 minutes (10 times the 8 hour TWA or the 15 minute STEL exposure limits); or -operations are performed in a confined space (See OSHA Confined Space Standard, 29 CFR 1910.146). A properly fitted air-purifying (combination organic vapor and particulate) respirator, proven by test to be effective in isocyanate-containing spray paint environments, and used in accordance with all recommendations made by the manufacturer, can be used when ALL of the following conditions are met: -The airborne isocyanate monomer concentrations are known to be below

0.05 ppm averaged over eight (8) hours (10 times 8 hour TWA exposure limit); and -the airborne polyisocyanate (polymeric, oligomeric) concentrations are known to be below 5 mg/m3 averaged over 8 hours or 10 mg/m3 averaged over 15 minutes (10 times the 8 hour TWA or the 15 minute STEL exposure limits) and - a NIOSH-certified End of Service Life Indicator or a change schedule based upon objective information or data is used to ensure that cartridges are replaced before the end of their service life. In addition, prefilters should be changed whenever breathing resistance increases due to particulate buildup. NON-SPRAY OPERATIONS: A. During non-spray operations such as mixing, batch-making, brush or roller application, etc., at elevated temperatures (for example, heating of material or application to a hot substrate), it is possible to be exposed to airborne isocyanate vapors. Therefore, when the coatings system will be applied in a non-spray manner, a supplied-air (either positive pressure or continuous flow-type) respirator is mandatory when ONE OR MORE of the following conditions exists: - the airborne isocyanate concentrations are not known; or - the airborne isocyanate monomer concentrations exceed 0.05 ppm averaged over eight (8) hours (10 times the 8 hour TWA exposure limit); or - the airborne polyisocyanate (polymeric, oligomeric) concentrations exceed 5 mg/m3 averaged over 8 hours or 10 mg/m3 averaged over 15 minutes (10 times the 8 hour TWA or the 15 minute STEL exposure limits); or - operations are performed in a confined space (See OSHA Confined Space Standard, 29 CFR 1910.146). A properly fitted air-purifying (combination organic vapor and particulate) respirator, proven by test to be effective in isocyanate-containing paint environments, and used in accordance with all recommendations made by the manufacturer, can be used when ALL of the following conditions are met: -the airborne concentrations of the isocyanate monomer are below 0.05 ppm averaged over eight (8) hours (10 times the 8 hour TWA exposure limit); and - the airborne polyisocyanate (polymeric, oligomeric) concentrations are known to be below 5 mg/m3 averaged over eight (8) hours or 10 mg/m3 averaged over 15 minutes (10 times the 8 hour TWA or the 15 minute STEL exposure limits) and - a NIOSH-certified End of Service Life Indicator or a change schedule based upon objective information or data is used to ensure that cartridges are replaced before the end of their service life. In addition, prefilters should be changed whenever breathing resistance increases due to particulate buildup.

Hand Protection
Gloves should be worn., Nitrile rubber gloves., Butyl rubber gloves., Neoprene gloves

Eye Protection
When directly handling liquid product, eye protection is required. Examples of eye protection include a chemical safety goggle, or chemical safety goggle in combination with a full face shield when there is a greater risk of splash.

Skin Protection
Avoid all skin contact. Depending on the conditions of use, cover as much of the exposed skin area as possible with appropriate clothing to prevent skin contact., Gloves, long sleeved shirts and pants.

Medical Surveillance
All applicants who are assigned to an isocyanate work area should undergo a pre-placement medical evaluation. A history of eczema or respiratory allergies such as hay fever, are possible reasons for medical exclusion from isocyanate areas. Applicants who have a history of adult asthma should be restricted from work with isocyanates. Applicants with a history of prior isocyanate sensitization should be excluded from further work with isocyanates. A comprehensive annual medical surveillance program should be instituted for all employees who are potentially exposed to diisocyanates. Once a worker has been diagnosed as sensitized to any isocyanate, no further exposure can be permitted. Refer to the Covestro pamphlet (Medical Surveillance Program for Isocyanate Workers) for additional guidance.

Additional Protective Measures
Emergency showers and eye wash stations should be available. Educate and train employees in the safe use and handling of this product. Follow all label instructions.

9. Physical and Chemical Properties

State of Matter:	liquid
Color:	Light yellow
Odor:	slight
Odor Threshold:	No Data Available
pH:	No Data Available
Freezing Point:	No Data Available
Boiling Point:	Decomposition
Flash Point:	ca. 185 °C (365 °F) (DIN EN 22719)
Evaporation Rate:	No Data Available
Lower Explosion Limit:	No Data Available
Upper Explosion Limit:	No Data Available
Vapor Pressure:	HDI Polyisocyanate: 5.2 X 10-9 @ 68 F (20 C) mmHg
Vapor Density:	No Data Available
Density:	ca. 1.15 g/cm³ @ 20 °C (68 °F) (DIN 51757)
Relative Vapor Density:	No Data Available
Specific Gravity:	Approximately 1.15 @ 20 °C (68 °F)
Solubility in Water:	Insoluble - Reacts slowly with water to liberate CO2 gas
Partition Coefficient: n- octanol/water:	No Data Available
Auto-ignition Temperature:	ca. 445 °C (833 °F) (DIN 51794)
Decomposition Temperature:	ca. 181 °C (357.8 °F)
Dynamic Viscosity:	Approximately 800 mPa.s @ 20 °C (68 °F)
Kinematic Viscosity:	No Data Available
Bulk Density:	Approximately 1,150 kg/m3
Molecular Weight:	500 Approximate Value, For the polyisocyanate
Self Ignition:	not applicable

10. Stability and Reactivity

Hazardous Reactions
Contact with moisture, other materials that react with isocyanates, or temperatures above 350 F (177 C), may cause polymerization

Stability
Stable under normal conditions of use and storage.

Materials to Avoid
Water, Amines, Strong bases, Alcohols, Copper alloys

Conditions to Avoid
Heat, flames and sparks. Protect from freezing.

Hazardous Decomposition Products
By Fire and High Heat: Carbon dioxide (CO2), carbon monoxide (CO), oxides of nitrogen (NOx), dense black smoke., Hydrogen cyanide, Isocyanate, Isocyanic Acid, Other undetermined compounds

11. Toxicological Information

Likely Routes of Exposure: Skin Contact
Inhalation Eye Contact

Health Effects and Symptoms

Acute: Isocyanate vapors or mist at concentrations above the exposure limits or guidelines can irritate (burning sensation) the mucous membranes in the respiratory tract (nose, throat, lungs) with symptoms of runny nose, sore throat, coughing, chest discomfort, shortness of breath and reduced lung function (breathing difficulty). Persons with a preexisting, nonspecific bronchial hyperactivity can respond to concentrations below the exposure limits or guidelines with similar symptoms as well as asthma attack or asthma-like symptoms. Exposure well above the exposure limits or guidelines may lead to bronchitis, bronchial spasm and pulmonary edema (fluid in lungs). Chemical or hypersensitivity pneumonitis, with flu-like symptoms (e.g. fever, chills), has also been reported. These symptoms can be delayed up to several hours after exposure. These effects are usually reversible.

May cause skin irritation with symptoms of reddening, itching, and swelling. Can cause sensitization. Persons previously sensitized can experience allergic skin reaction with symptoms of reddening, itching, swelling, and rash. Cured material is difficult to remove.

May cause eye irritation with symptoms of reddening, tearing, stinging, and swelling. May cause temporary corneal injury. Vapor or aerosol may cause irritation with symptoms of burning and tearing.

May cause irritation of the digestive tract; Symptoms may include abdominal pain, nausea, vomiting, and diarrhea.

Chronic: As a result of previous repeated overexposures or a single large dose, certain individuals may develop sensitization to isocyanates (asthma or asthma-like symptoms) that may cause them to react to a later exposure to isocyanates at levels well below the exposure limits or guidelines. These symptoms, which can include chest tightness, wheezing, cough, shortness of breath or asthmatic attack, could be immediate or delayed up to several hours after exposure. Extreme asthmatic reactions can be life threatening. Similar to many non-specific asthmatic responses, there are reports that once sensitized an individual can experience these symptoms upon exposure to dust, cold air, or other irritants. This increased lung sensitivity can persist for weeks and in severe cases for several years. Sensitization can be permanent. Chronic overexposure to isocyanates has also been reported to cause lung damage (including fibrosis, decrease in lung function) that may be permanent.

Prolonged contact with skin can cause reddening, swelling, rash, and, in some cases, skin sensitization. Animal tests and other research indicate that skin contact with isocyanates can play a role in causing isocyanate sensitization and respiratory reaction. This data reinforces the need to prevent direct skin contact with isocyanates.

Prolonged vapor contact with the eyes may cause conjunctivitis.

Delayed: Symptoms affecting the respiratory tract can also occur several hours after overexposure.

Toxicity Data for: SANITECH II PART B HARDENER
Data on the product is not available.

Please find the data available for the components.

Toxicity Data for Homopolymer of Hexamethylene Diisocyanate

Toxicity Note

Data is based on a similar product, including residual monomer.

Acute Oral Toxicity

LD50: >= 5000 mg/kg (rat, female) (OECD Test Guideline 423)
Toxicological studies at the product

Acute Inhalation Toxicity

LC50: 0.39 mg/l, 4 h, dust/mist(rat, female) (OECD Test Guideline 403)
Toxicological studies of a comparable product. The test atmosphere generated in the animal study is not representative of workplace environments, how the substance is placed on the market, and how it can reasonably be expected to be used. Therefore the test result cannot be directly applied for the purpose of assessing hazard. Based on expert judgment and the weight of the evidence, a modified classification for acute inhalation toxicity is justified.

Acute Dermal Toxicity

LD50: > 2000 mg/kg (rat, male/female) (OECD Test Guideline 402)
Studies of a comparable product.

LD50: > 2000 mg/kg (rabbit, male/female)
Studies of a comparable product.

Skin Irritation

rabbit, OECD Test Guideline 404, slight irritant
Toxicological studies at the product

Eye Irritation

rabbit, OECD Test Guideline 405, slight irritant
Toxicological studies at the product

Sensitization

Skin sensitization (local lymph node assay (LLNA)):: Causes sensitization. (Mouse, OECD Test Guideline 429)

Toxicological studies at the product

Respiratory sensitization: sensitizer
Studies of a comparable product.

Repeated Dose Toxicity

90 d, Inhalative: NOAEL: 3,3, (rat, male/female, 6 hours a day, 5 days a week)
Toxicological studies of a comparable product. Evidence of damage to organs other than the organs of respiration was not found.

Mutagenicity

Genetic Toxicity in Vitro:
Salmonella/microsome test (Ames test): No indication of mutagenic effects. (Metabolic Activation: with/without)
Toxicological studies at the product
Chromosome aberration test in vitro: negative (Chinese hamster V79 cell line, Metabolic Activation: with/without)
Toxicological studies of a comparable product.

Point mutation in mammalian cells (HPRT test): negative (Metabolic Activation: with/without)

Toxicological studies of a comparable product.

Toxicity Data for Hydrophilic Aliphatic Polyisocyanate based on Hexamethylene Diisocyanate

Toxicity Note
Data is based on a similar product, including residual monomer.

Acute Oral Toxicity
LD50: >= 5000 mg/kg (rat) (OECD Test Guideline 423)
Studies of a comparable product.

Acute Inhalation Toxicity
LC50: 0.158 mg/l, 4 h, dust/mist(rat, male/female) (OECD Test Guideline 403)
Toxicological studies of a comparable product. The test atmosphere generated in the animal study is not representative of workplace environments, how the substance is placed on the market, and how it can reasonably be expected to be used. Therefore the test result cannot be directly applied for the purpose of assessing hazard. Based on expert judgment and the weight of the evidence, a modified classification for acute inhalation toxicity is justified.

Skin Irritation
rabbit, OECD Test Guideline 404, An irritant effect cannot be distinguished from a mechanical load caused by the removal of the test specimen.
Toxicological studies of a comparable product.

Eye Irritation
rabbit, OECD Test Guideline 405, slight irritant
Toxicological studies of a comparable product.

Sensitization
Skin sensitization (local lymph node assay (LLNA)):: positive (Mouse, OECD Test Guideline 429)
Toxicological studies of a comparable product.

Mutagenicity
Genetic Toxicity in Vitro:
Salmonella/microsome test (Ames test): No indication of mutagenic effects.
Toxicological studies of a comparable product.

Toxicity Data for Hexamethylene-1,6-Diisocyanate

Acute Oral Toxicity
LD50: 746 mg/kg (rat, male) (OECD Test Guideline 401)

LD50: 959 mg/kg (rat, male) (OECD Test Guideline 401)

Acute Inhalation Toxicity
LC50: 0.124 mg/l, 4 h, vapour(rat, male/female) (OECD Test Guideline 403)

Acute Dermal Toxicity
LD50: > 7000 mg/kg (rat, male/female) (OECD Test Guideline 402)

Skin Irritation

rabbit, OECD Test Guideline 404, Corrosive

Eye Irritation
rabbit, OECD Test Guideline 405, Corrosive

Sensitization
dermal: sensitizer (Guinea pig, Maximisation Test (GPMT))
Other isocyanates have been shown to produce dermal and respiratory sensitization in several species (guinea pigs, mice, rabbits, dogs). In addition, there is some evidence to suggest that cross-sensitization between different types of diisocyanates may occur.

dermal: sensitizer (Human, Case Report)

Respiratory sensitization: sensitizer (Guinea pig)

Repeated Dose Toxicity
2 years, inhalation: NOAEL: < 0.005 ppm, LOAEL: 0.005 ppm, (rat, Male/Female, 6 hrs/day 5 days/week)
Irritation to lungs and nasal cavity.

Mutagenicity
Genetic Toxicity in Vitro:
Salmonella/microsome test (Ames test): negative (Salmonella typhimurium, Metabolic Activation: with/without)
Point mutation in mammalian cells (HPRT test): negative (Metabolic Activation: with/without)

Genetic Toxicity in Vivo:
Micronucleus test: negative (Mouse, male/female, Inhalative) negative

Carcinogenicity
rat, male/female, Inhalative, 2 yrs, 6 hours/day, 5 days/week Did not show carcinogenic effects in animal experiments.

Toxicity to Reproduction/Fertility
Combined Repeated Dose Toxicity Study with the Reproduction/Developmental Toxicity Screening Test, Inhalative, 6 hours/day 7 days/week, (rat, male/female) NOAEL (F2): 0.3 ppm Fertility and developmental toxicity tests did not reveal any effect on reproduction.

Developmental Toxicity/Teratogenicity
Rat, female, inhalation, gestation days 0 - 19, daily, NOAEL (teratogenicity): >0.3 ppm, NOAEL (maternal): < 0.3 ppm No Teratogenic effects observed at doses tested. No fetotoxicity observed at doses tested.

Neurological Effects
rats exposed by inhalation, 6 hours/day, for approximately 3 weeks, to concentrations as high as 0.3 ppm showed no neurobehavioral effects or damage to nerve tissues.

Carcinogenicity:
No carcinogenic substances as defined by IARC, NTP and/or OSHA

12. Ecological Information

Ecological Data for: SANITECH II PART B HARDENER

Data on the product is not available.

Please find the data available for the components.

Ecological Data for Homopolymer of Hexamethylene Diisocyanate

Biodegradation
aerobic, 2 %, Exposure time: 28 d, i.e. not readily degradable
Ecotoxicological studies of the product

aerobic, 0 %, Exposure time: 28 d, i.e. not inherently degradable
Ecotoxicological studies of the product

Bioaccumulation
706.2 BCF
The substance hydrolyzes rapidly in water. An accumulation in aquatic organisms is not to be expected.

10.11 BCF
An accumulation in aquatic organisms is not to be expected. Studies of hydrolysis products.

Acute and Prolonged Toxicity to Fish
LC50: > 100 mg/l (Danio rerio (zebra fish), 96 h)

Acute Toxicity to Aquatic Invertebrates
EC50: > 100 mg/l (Daphnia magna (Water flea), 48 h)

Toxicity to Aquatic Plants
ErC50: 199 mg/l, (scenedesmus subspicatus, 72 h)

Toxicity to Microorganisms
EC50: > 10,000 mg/l, (activated sludge, 3 h)

Additional Ecotoxicological Remarks
Data is based on a similar product, including residual monomer.

Ecological Data for Hydrophilic Aliphatic Polyisocyanate based on Hexamethylene Diisocyanate

Biodegradation
0 %, i.e. not readily degradable
Ecotoxicological reports on a comparable product

Acute and Prolonged Toxicity to Fish
LC50: 35.2 mg/l (Danio rerio (zebra fish), 96 h)
Ecotoxicological reports on a comparable product

Acute Toxicity to Aquatic Invertebrates
EC50: > 100 mg/l (Daphnia magna (Water flea), 48 h)
Ecotoxicological reports on a comparable product

Toxicity to Aquatic Plants

IC50: 72 mg/l, (Desmodesmus subspicatus (Green algae), 72 h)
Ecotoxicological reports on a comparable product

Toxicity to Microorganisms
EC50: > 10,000 mg/l, (activated sludge)
Ecotoxicological reports on a comparable product

Additional Ecotoxicological Remarks
Data is based on a similar product, including residual monomer.

Ecological Data for Hexamethylene-1,6-Diisocyanate
Biodegradation
aerobic, 42 %, Exposure time: 28 d, i.e. not readily degradable

Bioaccumulation
value calculated, 57.6 BCF
An accumulation in aquatic organisms is not to be expected.

value calculated, 3.2 BCF
An accumulation in aquatic organisms is not to be expected. Studies of hydrolysis products.

Acute and Prolonged Toxicity to Fish
LC0: >= 82.8 mg/l (Danio rerio (zebra fish), 96 h)

Acute Toxicity to Aquatic Invertebrates
EC0: >= 89.1 mg/l (Daphnia magna (Water flea), 48 h)

Toxicity to Aquatic Plants
ErC50: > 77.4 mg/l, (Desmodesmus subspicatus (Green algae), 72 h)

Toxicity to Microorganisms
EC50: 842 mg/l, (activated sludge, 3 h)

13. Disposal Considerations

Waste Disposal Method
Waste disposal should be in accordance with existing federal, state and local environmental control laws. Incineration is the preferred method.

Empty Container Precautions
Empty containers retain product residue; observe all precautions for product. Do not heat or cut empty container with electric or gas torch because highly toxic vapors and gases are formed. Do not reuse without thorough commercial cleaning and reconditioning. If container is to be disposed, ensure all product residues are removed prior to disposal.

14. Transportation Information

Land transport (DOT)

Proper Shipping Name:	Other regulated substances, liquid, n.o.s. (contains Hexamethylene-1,6-Diisocyanate)
Hazard Class or Division:	9
UN/NA Number:	NA3082
Packaging Group:	III
Hazard Label(s):	Class 9

RSPA/DOT Regulated Components:
Hexamethylene-1,6-Diisocyanate

Reportable Quantity: 9074 kg (20005 lb)

Sea transport (IMDG)
Non-Regulated

Air transport (ICAO/IATA)
Non-Regulated

Additional Transportation Information
When in individual containers of less than the Product RQ, this material ships as non-regulated.

15. Regulatory Information

United States Federal Regulations
US. Toxic Substances Control Act: Listed on the TSCA Inventory.

No substances are subject to TSCA 12(b) export notification requirements.

US. EPA CERCLA Hazardous Substances (40 CFR 302) Components:
None

SARA Section 311/312 Hazard Categories:
Acute Health Hazard
Chronic Health Hazard

US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A) Components:
None

US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 313 Toxic Chemicals (40 CFR 372.65) - Supplier Notification Required Components:
None

US. EPA Resource Conservation and Recovery Act (RCRA) Composite List of Hazardous Wastes and Appendix VIII Hazardous Constituents (40 CFR 261):
Under RCRA, it is the responsibility of the person who generates a solid waste, as defined in 40 CFR 261.2, to determine if that waste is a hazardous waste.

State Right-To-Know Information

The following chemicals are specifically listed by individual states; other product specific health and safety data in other sections of the SDS may also be applicable for state requirements. For details on your regulatory requirements you should contact the appropriate agency in your state.

Massachusetts, New Jersey or Pennsylvania Right to Know Substance Lists:

Weight percent	Components	CAS-No.
60 - 100%	Homopolymer of Hexamethylene Diisocyanate	28182-81-2
15 - 25%	Hydrophilic Aliphatic Polyisocyanate based on Hexamethylene Diisocyanate	666723-27-9
0.1 - 1%	N,N-dimethylcyclohexylamine	98-94-2
0.1 - 1%	Hexamethylene-1,6-Diisocyanate	822-06-0

New Jersey Environmental Hazardous Substances List and/or New Jersey RTK Special Hazardous Substances Lists:

Weight percent	Components	CAS-No.
0.1 - 1%	N,N-dimethylcyclohexylamine	98-94-2
0.1 - 1%	Hexamethylene-1,6-Diisocyanate	822-06-0

California Prop. 65:
To the best of our knowledge, this product does not contain any of the listed chemicals, which the state of California has found to cause cancer, birth defects or other reproductive harm.

Based on information provided by our suppliers, this product is considered “DRC Conflict Free” as defined by the SEC Conflict Minerals Final Rule (Release No. 34-67716; File No. S7-40-10; Date: 2012-08-22).

16. Other Information

The method of hazard communication for SaniGLAZE International is comprised of Product Labels and Safety Data Sheets.

The handling of products containing reactive HDI polyisocyanate/prepolymer and/or monomeric HDI requires appropriate protective measures referred to in this SDS. These products are therefore recommended only for use in industrial or trade (commercial) applications.

This information is furnished without warranty, express or implied. This information is believed to be accurate to the best knowledge of SaniGLAZE International. The information in this SDS relates only to the specific material designated herein. SaniGLAZE International assumes no legal responsibility for use of or reliance upon the information in this SDS.

SaniGLAZE
TILE & HARD SURFACE RESTORATION

Safety Data Sheet
Revision Date: 10/12/22

1. IDENTIFICATION

Product Name:	SaniQUARTZ
Product Code:	xx-xx-xxx
Product Use:	Decorative Granules
Manufacturer :	SaniGLAZE International, LLC
Address:	4526 Lenox Ave, Jacksonville, FL 32205
Telephone Number:	800-874-5554
Emergency Telephone Number:	ChemTel Inc. (800) 255-3924

2. HAZARDS IDENTIFICATION

Classification

Physical
This product is considered non-hazardous under the OSHA Hazard Communication Standard (29CFR1910.120).

Health
Carcinogen Category – 1A | Specific Target Organ Toxicity – Repeat | Exposure Category 1

Labeling

Danger!

Hazardous Statement
May cause cancer by inhalation. Causes damage to lungs through prolonged or repeated inhalation exposure.

Precautionary Statement(s)
Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use personal protective equipment as required. If exposed or concerned: Get medical attention. Dispose of contents and container in accordance with local and national regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Components	CAS Number	Composition
Crystalline Silica (Quartz)[1]	14808-60-7	95 – 97 %
Proprietary Resin(s)* Titanium	N/E	< 1 %
Dioxide*	13463-67-7	< 1 %
Iron Oxide Pigment(s)*	1309-37-1 N/	< 1 %
Pigment(s)*	A	< 1 %

[1]Crystalline Silica can be a lung injury and cancer hazard. Do not breathe dust. May cause delayed lung injury. Long term exposure can cause silicosis, a respiratory disease which can result in delayed, disabling, and sometimes fatal lung injury. Crystalline Silica inhaled from occupational sources can cause cancer in humans. Risk of injury is dependent on the duration and level of exposure. A single exposure will not result in serious and adverse effects.

*No toxic chemical(s) subject to the reporting requirements of SARA Section 313 of Title III and of CFR 372 are present.
Toxic Substance Control Act (TSCA) Status – O.K. on all above components.

4. FIRST-AID MEASURES

Skin
Wash off with soap and water. If symptoms persist, call a physician.
Eyes
Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician.
Inhalation
Move to fresh air. If symptoms persist, call a physician.
Ingestion
If swallowed, seek medical advice immediately. If conscious, drink plenty of water. Do not induce vomiting without medical advice.

5. FIRE-FIGHTING MEASURES

This product is not known to present any fire hazard.

6. ACCIDENTAL RELEASE MEASURES

Use recommended protective clothing and respiratory protection. Use shovel to reclaim material. Vacuum or scoop material into an appropriately marked container for reuse or disposal. Avoid excessive generation of dust. It is more effective to clean this product while dry by vacuuming or sweeping. However, spill area can be washed with water. Collect wash water for approved disposal. Prevent runoff from entering storm sewers and ditches which lead to natural waterways.

7. HANDLING AND STORAGE

Handling
Avoid breathing dust. Avoid getting in eyes or on skin. Wash hands thoroughly after handling. Avoid contact with moisture.
Storage
Store dry at ambient temperature.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Eye Protection:	Safety glasses recommended.
Skin Protection:	Use appropriate protective clothing.
Hand Protection:	Protective leather, cloth or rubber gloves recommended.
Respiratory Protection:	Use a NIOSH/MSHA approved respirator when exposure limits may be exceeded.
Ventilation: Hygiene Measures:	Local exhaust ventilation to collector or containment recommended. Good industrial hygiene practices required.

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point:	N/E	**Specific Gravity:**	2.65 g/cc Miscellaneous
Vapor Density:	Not Volatile	**Appearance: Odor:**	Colors Odorless
Coating V.O.C.:	Not Volatile	**Melting Point:**	N/A
Material V.O.C.:	Not Volatile	**Evaporation Rate:**	N/A
Solubility in Water:	Insoluble		

10. STABILITY AND REACTIVITY

Chemical Stability:	Stable. Keep away from flames and excessive heat as this could cause bag to ignite. Dissolves in hydrofluoric acid.
Incompatibility:	
Hazardous Byproducts:	None.

SAFETY DATA SHEET

11. TOXICOLOGICAL INFORMATION

Chronic Toxicity

This product is not listed as a carcinogen by the IARC, NTP or OSHA.
According to the current knowledge this product is harmless. Therefore, no health damaging effects are expected if safety measures are followed. No specific testing has been done on this product.

12. ECOLOGICAL INFORMATION

No ecological testing has been done on this product.

13. DISPOSAL CONSIDERATIONS

Dispose in accordance with local, state and federal regulations.

14. TRANSPORT INFORMATION

Shipping Name: Colored Quartz, Sand or Aggregate **Not Regulated:** Ship as Class 50

15. REGULATORY INFORMATION

U.S. Toxic Substances Control Act: Sara	Compliant with regulations
Title III – Sections 312 & 313: California	Not hazardous
Proposition 65:	WARNING - This product contains the following Proposition 65 chemicals: Quartz (CAS-No 14808-60-7, California Prop. 65 Carcinogen) All ingredients in this product are listed or exempt from listing.
Canadian Domestic Substances List:	

16. OTHER INFORMATION

Disclaimer

The information contained herein is based on the data available to us and is believed to be correct. Torginol, Inc. makes no warranty expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. Torginol, Inc. assumes no responsibility for injury, loss or damage from the use of the product described.

N/A = Not Applicable N/D = Not Determined N/E = Not Established

SaniGLAZE

Safety Data Sheet

Issue Date: 02-May-2018 **Revision Date:** 04-May-2018 **Version** 1

1. IDENTIFICATION

Product Identifier
Product Name SaniPRIME

Product Code 01-02-007 / 01-02-008

Recommended use of the chemical and restrictions on use
Recommended Use Sandable paint.

Details of the supplier of the safety data sheet
Supplier Address
SaniGLAZE International, LLC
4526 Lenox Avenue
Jacksonville, FL 32205
www.saniglaze.com
800-804-5554

Emergency Telephone Number
Emergency Telephone (24 hr)

ChemTel Inc. 800-255-3924

2. HAZARDS IDENTIFICATION

Physical state Liquid

Classification

Carcinogenicity	Category 2

Signal Word
Warning

Hazard statements
Suspected of causing cancer

Precautionary Statements - Prevention
Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements - Response
If exposed or concerned: Get medical advice/attention

Precautionary Statements - Storage
Store locked up

Precautionary Statements - Disposal
Dispose of contents/container to an approved waste disposal plant

Other hazards
Toxic to aquatic life with long lasting effects

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight-%
Titanium(IV) Oxide	13463-67-7	1-10
Calcined Kaolin	92704-41-1	1-10
Hydrous magnesium silicate	14807-96-6	<5
Carbon Black	1333-86-4	**

* The exact percentage (concentration) of composition has been withheld as a trade secret
**This product may be tinted with carbon black. It is assumed the carbon black is present at 0.1-2.0%

4. FIRST AID MEASURES

First Aid Measures

General Advice If exposed or concerned: Get medical advice/attention.

Eye Contact Flush with large quantities of water for 15 minutes.

Skin Contact Wash thoroughly with soap and water and see a physician.

Inhalation Move person to fresh air. If breathing stops, apply artificial respiration and seek immediate medical attention.

Ingestion Do not induce vomiting, can cause chemical pneumonitis and pulmonary edema. Contact physician immediately.

Most important symptoms and effects

Symptoms Inhalation- Dizziness, breathing difficulty, headaches, loss of coordination, unconsciousness and death. Eye contact- Severe irritation, tearing, redness, blurred vision and blindness. Skin contact- Irritation and dermatitis. Ingestion- Can cause gastrointestinal irritation, vomiting, nausea, diarrhea and death.

Indication of any immediate medical attention and special treatment needed

Notes to Physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media
Foam, alcohol foam, CO2, dry chemical, water, or water fog.

Unsuitable Extinguishing Media Not determined.

Specific Hazards Arising from the Chemical
Material does not support combustion.

Hazardous Combustion Products Carbon monoxide. Carbon dioxide (CO2). Oxides of nitrogen.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions Use personal protective equipment as required.

Environmental precautions

Environmental precautions See Section 12 for additional Ecological Information.

Methods and material for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for Clean-Up Provide good ventilation, dike spill area and add absorbent earth or sawdust to spilled liquid. Collect absorbent/spilled liquid mixture into metal containers. Consult local, state and federal hazardous waste regulations before disposing into approved hazardous waste landfills. Obey relevant laws.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing and eye/face protection.

Conditions for safe storage, including any incompatibilities

Storage Conditions Store locked up.

Incompatible Materials Alkaline materials. Strong acids. Oxidizing materials.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Titanium(IV) Oxide 13463-67-7	TWA: 10 mg/m^3	TWA: 15 mg/m^3 total dust (vacated) TWA: 10 mg/m^3 total dust	IDLH: 5000 mg/m^3
Hydrous magnesium silicate 14807-96-6	TWA: 2 mg/m^3 particulate matter containing no asbestos and <1% crystalline silica, respirable particulate matter	(vacated) TWA: 2 mg/m^3 respirable dust <1% Crystalline silica, containing no Asbestos TWA: 20 mppcf if 1% Quartz or more; use Quartz limit	IDLH: 1000 mg/m^3 TWA: 2 mg/m^3 containing no Asbestos and <1% Quartz respirable dust
Carbon Black 1333-86-4	TWA: 3 mg/m^3 inhalable particulate matter	TWA: 3.5 mg/m^3 (vacated) TWA: 3.5 mg/m^3	IDLH: 1750 mg/m^3 TWA: 3.5 mg/m^3 TWA: 0.1 mg/m^3 Carbon black in presence of Polycyclic aromatic hydrocarbons PAH

Appropriate engineering controls

Engineering Controls General mechanical ventilation or local exhaust should be suitable to keep vapor concentrations below TLV. Eye washes and safety showers in the workplace are recommended.

Individual protection measures, such as personal protective equipment

Eye/Face Protection	Use chemical safety glasses, goggles, and face shields for eye protection.
Skin and Body Protection	Impermeable chemical handling gloves for skin protection. Use impermeable aprons and protective clothing whenever possible to prevent skin contact. The use of head caps whenever possible is strongly recommended.
Respiratory Protection	When spraying this material use a NIOSH approved cartridge respirator or gas mask suitable to keep airborne mists and vapor concentration below the time-weighted threshold limit values. When using in poorly ventilated and confined spaces, use a fresh-air supplying respirator or a self-contained breathing apparatus.
General Hygiene Considerations	Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Liquid		
Appearance	Not determined	**Odor**	Not determined
Color	Not determined	**Odor Threshold**	Not determined

Property	**Values**	**Remarks • Method**
pH	Not determined	
Melting point / freezing point	Not determined	
Boiling Point / Boiling Range	100 °C / 212 °F	
Flash Point	93.3 °C / 200 °F	
Evaporation Rate	Same as water	
Flammability (Solid, Gas)	Liquid-Not applicable	
Flammability Limit in Air		
Upper Flammability Limit	Not determined	
Lower Flammability Limit	Not determined	
Vapor Pressure	Not determined	
Vapor Density	Not determined	
Relative Density	Not determined	
Water Solubility	Not determined	
Solubility in other solvents	Not determined	
Partition Coefficient	Not determined	
Autoignition temperature	Not determined	
Decomposition Temperature	Not determined	
Kinematic Viscosity	Not determined	
Dynamic Viscosity	Not determined	
Explosive Properties	Not determined	
Oxidizing Properties	Not determined	

Other Information

Density 10.72 lb/gl 1276 g/l

10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Hazardous Polymerization Will not occur.

Conditions to Avoid
Excessive heat, poor ventilation, corrosive atmospheres, excessive aging.

Incompatible Materials
Alkaline materials. Strong acids. Oxidizing materials.

Hazardous Decomposition Products
Carbon monoxide. Carbon dioxide (CO2). Nitrogen oxides (NOx).

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Eye Contact Avoid contact with eyes.

Skin Contact Avoid contact with skin.

Inhalation Do not inhale.

Ingestion Do not ingest.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Titanium(IV) Oxide 13463-67-7	> 10000 mg/kg (Rat)	-	-
Calcined Kaolin 92704-41-1	> 2000 mg/kg (Rat)	-	-
Carbon Black 1333-86-4	> 15400 mg/kg (Rat)	> 3 g/kg (Rabbit)	-

Information on physical, chemical and toxicological effects

Symptoms Please see section 4 of this SDS for symptoms.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity Suspected of causing cancer.

Chemical Name	ACGIH	IARC	NTP	OSHA
Titanium(IV) Oxide 13463-67-7		Group 2B		X
Carbon Black 1333-86-4	A3	Group 2B		X

Legend
ACGIH (American Conference of Governmental Industrial Hygienists)
A3 - Animal Carcinogen
IARC (International Agency for Research on Cancer)
Group 2B - Possibly Carcinogenic to Humans
OSHA (Occupational Safety and Health Administration of the US Department of Labor)
X - Present

Numerical measures of toxicity

The following values are calculated based on chapter 3.1 of the GHS document.
ATEmix (oral) 13,784.30 mg/kg

12. ECOLOGICAL INFORMATION

Ecotoxicity
Toxic to aquatic life with long lasting effects.

Persistence/Degradability
Not determined.

Bioaccumulation
Not determined.

Mobility
Not determined

Other Adverse Effects
Not determined

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Wastes Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. TRANSPORT INFORMATION

Note Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT Not regulated

IATA Not regulated

IMDG Not regulated

15. REGULATORY INFORMATION

International Inventories

Chemical Name	TSCA	DSL/NDSL	EINECS/ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Proprietary	X	X		X	X	X	X	X
Titanium(IV) Oxide	X	X	X	X	X	X	X	X
Calcined Kaolin	X	X	X	X	X	X	X	
Hydrous magnesium silicate	X	X	X	X	X	X	X	X
Carbon Black	X	X	X	X	X	X	X	X

Legend:

TSCA *- United States Toxic Substances Control Act Section 8(b) Inventory*

DSL/NDSL *- Canadian Domestic Substances List/Non-Domestic Substances List*

EINECS/ELINCS *- European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances*

ENCS *- Japan Existing and New Chemical Substances*

IECSC *- China Inventory of Existing Chemical Substances*

KECL *- Korean Existing and Evaluated Chemical Substances*

PICCS *- Philippines Inventory of Chemicals and Chemical Substances*

AICS *- Australian Inventory of Chemical Substances*

US Federal Regulations

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

US State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals.

Chemical Name	California Proposition 65
Titanium(IV) Oxide - 13463-67-7	Carcinogen
Carbon Black - 1333-86-4	Carcinogen

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Titanium(IV) Oxide 13463-67-7	X	X	X
Hydrous magnesium silicate 14807-96-6	X	X	X
Carbon Black 1333-86-4	X	X	X

16. OTHER INFORMATION

NFPA	**Health Hazards**	**Flammability**	**Instability**	**Special Hazards**
	Not determined	Not determined	Not determined	Not determined
HMIS	**Health Hazards**	**Flammability**	**Physical hazards**	**Personal Protection**
	2	1	1	B

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Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet

SECTION 1: Identification of the substance/mixture and of the company/undertaking

Product Name:	SaniPRIME Hardner
Product Code:	01-02-009 8
Product Use:	Binding Agent
Manufacturer :	SaniGLAZE International, LLC
Address:	4526 Lenox Ave, Jacksonville, FL 32205
Phone:	800-874-5554
Emergency Telephone Number:	ChemTel Inc. (800) 255-3924

SECTION 2: Hazards Identification

GHS Classification:

Category 1	Serious eye damage
Category 3	Acute aquatic toxicity

GHS Label elements, including hazards precautionary statements:

Signal word Danger

Pictogram

Hazard statements:

H318	Causes serious eye damage
H402	Acute aquatic toxicity

Precautionary statements:

Prevention:

P273	Avoid release to the environment
P280	Wear eye protection / face protection

Response:

P305+P351+P338+ P310	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

Storage:

P405	Store locked up

Disposal:

P501	Dispose in accordance to local, regional, national and international regulations.

Supplemental hazard statements: None

SECTION 3: Composition/Information on Ingredients

Chemical Name	Common Name	CAS No.	Content
[3-(2,3-Epoxypropoxy)propyl]trimethoxysilane	Glycidoxypropyl trimethoxysilane	2530-83-8	<=100%

SECTION 4: First Aid Measures

Description of first aid measures:

General Advise: In the case of accident or if victim feels unwell, seek medical advice immediately.

If inhaled: Move victim to fresh air. Seek medical attention if symptoms occur.

In case of skin contact: Remove/take off all contaminated clothing and shoes. Rinse skin with water/shower. If irritation persists, consult doctor/physician. Wash clothing and shoes before reuse.

In case of eye contact: Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do so. Get medical attention immediately.

If swallowed: DO NOT induce vomiting. Rinse mouth thoroughly with water. Do not give anything by mouth to an unconscious person. Get medical attention if symptoms occur.

Most important symptoms and effects, both acute and delayed: Causes serious eye damage.

SECTION 5: Fire-fighting measures

Suitable extinguishing media: Water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special protective measure: No special measure required.

Hazardous combustion products: Carbon oxides, silicon oxides, formaldehyde

Specific hazard during fire fighting: Exposure to combustion products may be a hazard to health.

Advice to firefighters:

Protective equipment: Wear-self contained respiratory protective device. Wear fully protective suit.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures:
Use personal protective equipment. Ensure adequate ventilation.

Environmental precautions: Do not allow product to reach to sewage system or ground water.

Methods and materials for containment and cleaning up: Provide diking or other appropriate containment to keep material from spreading. If dikes material can be pumped, store recovered material in appropriate container. Follow local or national regulations per Sections 13 and 15.

SECTION 7: Handling and storage

Precaution for safe handling: Handle in accordance with good industrial hygiene and safety practices.

Conditions for safe storage, including any incompatibilities: Keep in properly labeled containers. Keep tightly closed in a dry place. Do not store with strong oxidizing agents.

SECTION 8: Exposure controls/personal protection

Engineering controls: Ventilation should be provided to control worker's exposure and prevent health risk.

Ingredients with workplace control parameters

Component	CAS-No.	Exposure Limit	Basis	Entity
Glycidoxypropyl trimethoxysilane	2530-83-8	5 ppm	DCC OEL	TWA
		10 ppm	DCC OEL	STEL
Occupational exposure limits of decomposition products				
Methanol	67-56-1	200 ppm	ACGIH	TWA
		250 ppm	ACGIH	STEL
		200 ppm 260 mg/m3	NIOSH REL	TWA
		250 ppm 325 mg/m3	NIOSH REL	ST
		200 ppm 260 mg/m3	OSHA Z-1	TWA

Personal protective equipment:

Eye protection: Wear safety glasses or goggles.

Skin protection: Wear nitrile or rubber gloves. Apron or lab coat.

Respiratory protection: Provide local exhaust, preferably mechanical. If exposure levels are excessive, use a NIOSH/MSHA approved respirator.

Personal hygiene: Keep away from food and animal feeds. Wash skin thoroughly after handling this product.

SECTION 9: Physical and chemical properties

Appearance:	Colorless to pale yellow liquid
Odor:	Aromatic
Odor threshold:	Not determined
pH:	N/A
Melting point/freezing point:	N/A
Initial boiling point/boiling range:	>= 250 °C
Flash point:	> 94 °C
Evaporation rate:	N/A
Flammability (solid, gas) Upper/Lower flammability or explosive limits	
Flammability limit-lower (%):	0.43%(V)
Flammability limit-upper (%):	N/A
Volatile Organic Compounds (VOC):	N/A
Vapor pressure:	N/A
Vapor density:	N/A
Solubility (ies):	N/A
Specific gravity:	N/A
Partition coefficient (n-octanol/water):	log Pow: -0.853
Auto-ignition temperature:	N/A
Decomposition temperature:	N/A

SECTION 10: Stability and reactivity

Chemical stability: Stable

Possibility of hazardous reactions: Use at elevated temperatures may form highly hazardous compounds. Can react with strong oxidizing agents. When heated to temperatures above 150 °C (300 °F) in the presence of air, product can form formaldehyde vapors

Condition to avoid: Exposure to moisture

Hazardous decomposition: Carbon oxides, silicon oxides, methanol or formaldehyde

SECTION 11: Toxicological information

Acute toxicity:

Shall not be classified as acutely toxic

Information on likely route and sign and symptoms of exposure

Skin: Shall not be classified as a skin sensitizer

Respiratory: Shall not be classified as a respiratory or aspiration hazard

Ingestion: Shall not be classified as a specific target organ toxicant (STOT)

Eyes: Causes serious eye damage/eye irritation

Potential health effect:

The chemical, physical and toxicological properties have not been thoroughly investigated.

SECTION 12: Ecological information

Aquatic toxicity:

Toxicity to daphnia and other aquatic invertebrates:	EC50 – Daphnia magna (water flea) - 473 mg/l – 48 h
Toxicity to fish:	LC50 – Cyprinus carpio (carp) – 55 mg/l – 96 h
Toxicity to algae:	EC50 (Desmodesmus subspicatus (green algae) – 255 mg/l – 72 h

SECTION 13: Disposal consideration

Resource Conservation and Recovery Act (RCRA): This product has been evaluated for RCRA characteristics and does not meet the criteria of hazardous waste if discarded in its purchased form.

Waste disposal method: Dispose of all the waste in accordance with all applicable federal, state and local health and environment regulations. Partially empty cans must be disposed responsibly.

Product containers: Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14: Transportation information

US Department Of Transportation

Shipping Name:	None
Hazard Class:	None
UN Number:	None
Packaging Group: II	None

SECTION 15: Regulatory information

TSCA	All ingredients are TSCA approved		
SARA 304	This material does not contain any components with a section 304 EHS RQ		
SARA 302	No chemicals in this material are subject to the reporting requirements.		
SARA 313	This material does not contain any chemical components that exceed the threshold		
Pennsylvania Right to Know	Glycidoxypropyl trimethoxysilane	2530-83-8	90-100%
Pennsylvania Right to Know	Methanol	67-56-1	0-0.1%
New Jersey Right to Know	Glycidoxypropyl trimethoxysilane	2530-83-8	90-100%
California Prop 65	Methanol	67-56-1	0-0.1%

SECTION 16: Other information

NFPA Ratings		HMIS Ratings	
Health	3	Health	3
Flammability	1	Flammability	1
Reactivity	0	Reactivity	0

Abbreviation and acronyms

ACGIH	American Conference of Governmental Industrial Hygienists
CAS	Chemical Abstract Service
CEIL	Ceiling
CFR	Code of Federal Regulation
DOT	Department of Transportation
FDA	Food and Drug Administration
GHS	Globally Harmonized System
GRAS	General Recognize As Safe
HCS	Hazards Communication Standards
HMIS	Hazardous Materials Identification System
IDLH	Immediate Dangerous to Life or Health

NE	Not Established
NIOSH	National Institute of Occupational Safety and Health
NFPA	National Fire Protection Association
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
REL	Recommended Exposure Limit
SARA	Superfund amendments and Reauthorization Act
STEL	Short Term Limit
TLV	Threshold Limit Value
TSCA	Toxic Substances Control Act
TWA	Time Weighted Average
WHMIS	Workplace Hazardous Material Information System
WEEL	Workplace Environmental Exposure Levels

Disclaimer: SaniGLAZE International, LLC provide the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This documentation is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product.

----------END OF SDS----------

SECTION 1: Identification of the substance/mixture and of the company/undertaking

Product Name:	SaniPrep One Step Liquid Prep
Product Code:	01-02-021
Product Use:	Tile surface cleaning and preparation
Manufacturer:	SaniGLAZE International, LLC
Address:	4526 Lenox Ave, Jacksonville, FL 32205
Phone:	800-874-5554
Emergency Telephone Number	ChemTel Inc. (800) 255-3924

SECTION 2: Hazards Identification

Classification:

Skin Irritation: Category 1B
Eye Irritation: Category 1

GHS Label elements, including precautionary statements:

Signal word: Danger

Pictogram:

Hazard statements:

H314	Causes severe skin burns and eye damage.
H315	Causes skin irriatation.
H319	Causes serious eye irriatation.

Precautionary statements:

Prevention:

P102	Keep out of reach of children.
P103	Read label before use.
P202	Do not handle until all safety precautions have been read and understood.
P260	Do not breathe mist or spray.
P262	Do not get in eyes, on skin, or on clothing.
P264	Wash thoroughly after handling.
P280	Wear rubber, nitrile or neoprene protective gloves and clothing, and safety goggles.

Response:

P301+312+330+331	IF SWALLOWED Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.
P301+361+353	IF ON SKIN (or hair) Remove/Take off Immediately all contaminated clothing. Rinse SKIN with water/shower for 15 minutes or until skin no longer feels slick. Immediately call a POISON CENTER or doctor/physician.
P304+340	IF INHALED Remove victim to fresh air and Keep at rest in a position comfortable for breathing.
P305+311+351+P336	IF IN EYES: Flush eyes with running water for at least 15 minutes while lifting lids periodically. Immediately call a POISON CENTER or doctor/physician.

Storage: P405 locked up
Disposal: P501: Dispose of in an approved waste facility operated by an authorized contractor in compliance with federal, state and local regulations. Triple rinse empty and clean containers, and offer for recycling or dispose of in trash in accordance with local regulations

SECTION 3: Composition/Information on Ingredients

Chemical Name	CAS No.	EINECS No.	Classification		Content
			Hazard Class and Category	Hazard Code	
Hydrogen chloride	7647-01-0	231-595-7	Flamm.: 2 Swallow: 4	H3225 H302	< 5%
Amine Ethoxylate	61791-24-0		Skin Corri.: 1A Eye: 1	H314 H318	< 1%
Other Non hazardous components					

SECTION 4: First aid measure

Description of first aid measures:
General Advise: Consult physician. Show this safety data sheet to the doctor in attendance.
If inhaled: Move victim to fresh air and keep at rest in a position comfortable for breathing.
In case of skin contact: Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. If irritation persists, consult doctor/physician.
In case of eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.
If swallowed: DO NOT induce omitting. Do not give anything by mouth to an unconscious person. Get prompt medical attention.
Most important symptoms and effects, both acute and delayed: contains dilute hydrochloric acid. Repeated or prolonged contact with liquid may cause severe burns.

SECTION 5: Fire-fighting measures

Suitable extinguishing media: Use any means suitable for extinguishing surrounding fire.

Specific hazard arising from chemical: If heated in a fire, it may release hazardous quantities of hydrogen chloride gas or hydrochloric acid.

.
Advice to firefighters: Keep containers cooled with a water spray if involved in a fire. Liquid, vapors and mists are corrosive.
Protective equipment: Wear self-contained breathing apparatus and full protective gear.

SECTION 6: Accidental release measures

Personal Precautions, Protective Equipment and Emergency Procedures:
Ventilate area of leak or spill. Keep unnecessary and unprotected people away from area of spill. Wear appropriate personal protective equipment and clothing during clean-up
Environmental precautions: DO NOT contaminate municipal sewers or other open bodies of water with runoff.
Methods and material for containment and clean-up: Dike the spill immediately with appropriate materials to prevent the spread of liquid. Absorb the liquid with an inert absorbent such as sand, dirt, vermiculite or “oil-dri”, or use commercial absorbent pads. Transfer liquids and solid diking material to suitable containers, and dispose of in accordance with local, state, and federal regulations.

SECTION 7: Handling and storage

Conditions for safe storage, including any incompatibilities: Avoid contact with skin and eyes. Keep containers closed when not in use. Empty containers may contain residue. All containers should be disposed of in an environmentally safe manner, and in accordance with all governmental regulations. Keep this and all chemicals out of the reach of children.

SECTION 8: Exposure controls/personal protection

Airborn exposure limits: No data available

Engineering controls: Local exhaust is recommended when used in enclosed areas

Personal protective equipment:

Respiratory protection: Use in a well-ventilated area. If mist is being generated and exceeds the TLV, a respiratory protection program meeting OSHA 1910.134 and ANSI Z88.2 requirements must be followed.

Eye protection: Safety glasses (ANSI Z87.1) or approved equivalent as necessary to minimize eye contact hazards.

Skin protection: Neoprene or other materials may be used if there is documented evidence of compatibility.

Personal Hygiene: Use proper industrial hygiene practices to minimize hazardous exposure. Wash hands after handling this material, and before eating or smoking

SECTION 9: Physical and chemical properties

APPEARANCE: Clear, liquid

ODOR: odorless

PHYSICAL STATE: Liquid

pH AS SUPPLIED: 1.5

pH (Other):

BOILING POINT: >212 °F

MELTING POINT: No data available

FREEZING POINT: < 3 2 °F

VAPOR PRESSURE (mmHg): No data available

VAPOR DENSITY (AIR = 1): Same as water

SPECIFIC GRAVITY (H2O = 1): 1.03

EVAPORATION RATE (H2O = 1): 1

SOLUBILITY IN WATER: Water soluble

PERCENT SOLIDS BY WEIGHT:
No data available

PERCENT VOLATILE (BY WT):
< 9 8 %

FLAMMABLE LIMITS:
No data available

FLASH POINT:
No data available

AUTOIGNITION TEMPERATURE:
No data available

SECTION 10: Stability and reactivity

Stability:	Stable below 212 °F
Conditions to avoid (stability):	Keep from freezing
Incompatibility (material to avoid):	Do not mix with caustic products. Avoid contact with soft metals
Hazardous decomposition or by-products:	None
Hazardous polymerization:	Will not occur

SECTION 11: Toxicological information

Potential health effects:

Eyes:	May cause eye irritation, chemical burns and possible permanent tissue damage or blindness
Skin:	Irritating and corrosive. Prolonged contact may cause dermatitis, drying of skin or tissue damage.
Ingestion:	Do not take internally. Corrosive and toxic if ingested. May cause burning, irritation of mouth and throat, nausea, gastrointestinal distress or diarrhea.
Inhalation:	If sprayed or misted may cause chemical pneumonitis, irritation, or chemical burns.

Acute health hazards: Liquid is corrosive to tissue.

Chronic health hazards: Liquid is corrosive to tissue.

Aggravation of pre-existing conditions: Contact or breathing mists may exacerbate existing skin or respiratory

Carcinogenic effects: No data available

Teratogenicity/reproductive toxicity:
No data available

Mutagenic effects: No data available

Numerical measures of toxicity:
No data available

SECTION 12: Ecological information

Not available

SECTION 13: Disposal consideration

Waste disposal method: Dispose of in an approved waste facility operated by an authorized contractor in compliance with federal, state and local regulations. Triple rinse empty and clean containers, and offer for recycling or dispose of in trash in accordance with local regulations

RCRA hazard class: Spent solutions of this material are not classified as a hazardous waste if the pH >2 or <12.

SECTION 14: Transportation information

U.S. DEPARTMENT OF TRANSPORTATION

ID NUMBER: UN1760
PROPER SHIPPING NAME: Corrosive Liquid, acidic, N.O.S. (Hydrochloric acid) (For containers with a capacity greater than 5 liters)
HAZARD CLASS: 8
PACKING GROUP: III
LABEL STATEMENT:
WATER TRANSPORTATION
ID NUMBER: UN1760
PROPER SHIPPING NAME: Corrosive Liquid, acidic, N.O.S. (Hydrochloric acid), Ltd. Qty. (For inner packages with a capacity of less than liters)
HAZARD CLASS: 8
PACKING GROUP: III
AIR TRANSPORTATION
ID NUMBER: UN1760
PROPER SHIPPING NAME: Corrosive Liquid, acidic, N.O.S. (Hydrochloric acid)
HAZARD CLASS: 8
PACKING GROUP: III

SECTION 15: Regulatory information

U.S. FEDERAL REGULATIONS

TSCA (TOXIC SUBSTANCE CONTROL ACT): All components of this product are listed on the TSCA Inventory
CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): Not a CERCLA Hazardous substance
REPORTABLE QUANTITY (RQ): 5,000 pounds (hydrochloric acid)
RCRA HAZARDOUS WASTE NO.: None
SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT): Section 302: EHS Reporting not required
Section 304: Hazardous releases reporting not required
Section 311: Reporting required if inventory exceeds threshold planning quantity
Section 312: Inventory data reporting is not required
Section 313: This does not apply to service companies
40 CFR Part 370 - Hazardous Chemical Reporting: COMMUNITY RIGHT-TO-KNOW HAZARD CATEGORY: Immediate health hazard.
Threshold planning quantity: 5,000 pounds (hydrochloric acid)

INTERNATIONAL REGULATIONS:
WHMIS Classification: D2B Poisonous and Infectious Material
Materials Causing Other Toxic Effects - Eye and skin irritant

Domestic Substances List: This product has been classified in accordance with the hazard criteria of the CPR and the SDS contains all of the information required by the CPR.

SECTION 16: Other information

HMIS Hazardous Classification:	**Health:**	3
	Flammability:	0
	Reactivity:	1

PREPARATION INFORMATION: All Sections: New GHS Format
Revision Date: 06/26/2015

DISCLAIMER: This information is, to the best of our knowledge and belief, accurate and reliable as of the date completed. However no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the completeness and suitability of such information for his own particular use. We do not accept liability for any loss or damage that may occur from the use of this information, nor do we offer any warranty against patent infringement.

----------**END OF SDS**----------

SECTION 1: Identification of the substance/mixture and of the company/undertaking

Product Name:	SaniPOXY, PART B
Product Code:	01-02-073
Product Use:	PAINT OR PAINT RELATED MATERIAL
Manufacturer :	SaniGLAZE International, LLC
Address:	4526 Lenox Ave, Jacksonville, FL 32205
Phone:	800-874-5554
Emergency Telephone Number	ChemTel Inc. (800) 255-3924

SECTION 2: Hazards Identification

GHS Classification: HAZARD RISK CLASSIFICATION

GHS Label elements, including hazards precautionary statements:

Signal word: **DANGER**

Pictogram:

GHS02 FLAME
GHS05 CORROSION
GHS07 EXCLAMATION MARK
GHS08 HEALTHHAZARD
GHS09 ENVIRONMENT

Hazard statements:

H227 Combustible liquid
H302+ Harmful if swallowed, in contact with skin or if inhaled
H312+
H332
H304 May be fatal if swallowed or enters airways
H315 Causes skin irritation
H318 Causes serious eye damage
H334 May cause allergy or asthma symptoms or breathing difficulties ifinhaled
H335 May cause respiratory irritation
H411 Toxic to aquatic life with long lasting effects

Precautionary statements:

Prevention:

P210 Keep away from heat/hot surfaces/sparks/open flames and othersources of ignition. No smoking.

P233 Keep container tightly closed.
P240 Ground and bond container and receiving equipment.
P241 Use explosion-proof electrical / ventilation/lighting/handling equipment.

P242 Use non-sparking tools.
P243 Take action to prevent static discharge.

Response:

Storage:

Disposal:

Supplemental hazard statements: None

SECTION 3: Composition/Information on Ingredients

SECTION 4: First aid measure

SECTION 5: Fire-fighting measures

SECTION 6: Accidental release measures

SECTION 7: Handling and storage

SECTION 8: Exposure controls/personal protection

SECTION 9: Physical and chemical properties

SECTION 10: Stability and reactivity

SECTION 11: Toxicological information

SECTION 12: Ecological information

SECTION 13: Disposal consideration

SECTION 14: Transportation information

SECTION 15: Regulatory information

SECTION 16: Other information

----------END OF SDS----------

SECTION 1: Identification of the substance/mixture and of the company/undertaking

Product Name:	SaniPOXY Part A
Product Code:	01-02-073A
Product Use:	Paint or Paint Related Material
Manufacturer :	SaniGLAZE International, LLC
Address:	4526 Lenox Ave, Jacksonville, FL 32205
Telephone Number:	800-874-5554
Emergency Telephone Number:	ChemTel Inc. (800) 255-3924

SECTION 2: Hazards Identification

GHS Classification: Hazard Risk Classification

GHS Label Elements, including hazards / precautionary statements

Signal Word: DANGER

Pictogram:

- GHS02 FLAME
- GHS05 CORROSION
- GHS07 EXCLAMATION MARK
- GHS08 HEALTH HAZARD
- GHS09 ENVIRONMENT

Hazard Statements:

- H302+H312+H332 Harmful if swallowed, in contact with skin or if inhaled
- H304 May be fatal if swallowed or enters airways
- H315 Causes skin irritation
- H318 Causes serious eye damage
- H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled
- H335 May cause respiratory irritation
- H411 Toxic to aquatic life with long lasting effects

Precautionary Statements:

Prevention:

- P210 Keep away from heat/hot surfaces/sparks/open flames and other sources of ignition. No smoking.
- P233 Keep container tightly closed.
- P240 Ground/bond container and receiving equipment
- P241 Use explosion-proof electrical / ventilation/lighting/handling equipment.
- P242 Use non-sparking tools.
- P243 Take action to prevent static discharge.
- P261 Avoid breathing dust/fume/gas/mist/vapor/ spray.
- P264 Wash hands and any exposed area thoroughly after handling
- P270 Do not eat, drink or smoke while using this product.
- P271 Use only outdoors or in well-ventilated area.
- P272 Contaminated work clothing should not be allowed out of the workplace.

P273 Avoid release to the environment.
P280 Wear protective impervious gloves/ OSHA approved eye protection/face protection.
P285 In case of inadequate ventilation wear appropriate organic vapor respiratory protection.

Response:

P301+P310 If swallowed: Immediately call a Poison Center / doctor.
P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water (or shower).
P304+P340 If inhaled: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312 Call a POISON CENTER/doctor if you feel unwell.
P321 Specific treatment (see on this label)
P322 Specific measures (see on this label)
P330 Rinse mouth.
P331 Do NOT induce vomiting.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P337+P313 If eye irritation persists: Get medical advice/attention.
P342+P311 If experiencing respiratory symptoms: Call a Poison Center/doctor.
P362 Take off contaminated clothing and wash before reuse.
P363 Wash contaminated clothing before reuse.
P370+P378 In case of fire: Use carbon dioxide (CO2), powder, alcohol- resistant foam to extinguish.

Storage:

P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P403+P235 Store in a well-ventilated place. Keep cool.
P405 Store locked up.

Disposal:

P501 Store separately. Dispose of contents/ container in accordance with local/ regional/national /international regulations.

Supplemental Hazard Statements

None

SECTION 3: Composition/Information on Ingredients

COMPONENT	CAS NUMBER	PERCENT	WEIGHT EXPOSURE LIMITS		OTHER
			OSHA PEL	ACGIH TLV	
Epichlorohydrin Copolymer	25068-38-6	75-95	NOT ESTABLISHED		
+* OXIRANE	BIS-2425-79-8	8.3	NOT ESTABLISHED		
4-Nonyl Hydroxybenzene,	84852-15-3	5.0-7.5	NOT ESTABLISHED		
Benzyl Alcohol	100-51-6	2.5-5.0	NOT ESTABLISHED		
Cumene		98-82-8	50 PPM		

* Chemical(s) that are chronic health hazards. Refer to section 3 for further information.
+ Toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.
^ Hazardous Air Pollutant established by the EPA as directed by the Clean Air Act of 1990.

SECTION 4: First aid measure

Primary Routes of Exposure: Skin Contact

Description of First Aid Measures:

Eyes: Flush with large amounts of water for 15 minutes, lifting upper and lower eyelids. If irritation persists seek medical attention.

Skin Contact:

Wash contaminated area with soap and water. Remove and launder contaminated clothing.

Ingestion: If a large amount is ingested, give water or milk and induce vomiting. Seek medical attention.

Inhalation: Remove victim to fresh air and provide oxygen if breathing is difficult. If breathing has stopped administer artificial respiration. Seek medical attention if condition persists.

Most Important Symptoms/Effects, Acute and Delayed

Eyes: Direct contact with eyes may cause irritation.

Skin Contact: Prolonged or repeated contact may cause irritation.

Ingestion: Not an anticipated route of exposure. Small amounts are not expected to be harmful.

Inhalation: Inhalation of vapor or mist can cause irritation of nose, throat and lungs and lead to headaches and nausea.

Chronic Health Effects:

Although some components may indicate chronic exposure effects, no effects are anticipated under normal use conditions due to the relatively low proportion in the total mixture.

Medical Conditions Generally Aggravated by Exposure:

No know effects on other illnesses.

Indication of Immediate Medical Attention and Special Treatment Needed:

Treat symptomatically.

SECTION 5: Fire-fighting measures

Suitable Extinguishing Media:

This material will not burn in its liquid state unless heated above its flash point. Dried films may burn and can be extinguished by water spray, foam, dry chemical or carbon dioxide.

Specific Hazards Arising from the Substance or Mixture:

In the event of fire, harmful vapors including carbon monoxide, carbon dioxide, and others may be released. There is the possibility of pressure buildup in closed containers when heated. Water spray may be used to cool these containers.

Special Protective Equipment and Precautions for Firefighters:

Persons exposed to products of combustion should wear self-contained breathing apparatus and full protective equipment. Isolate danger area, keep unauthorized personnel out.

SECTION 6: Accidental release measures

Personal Precautions, Protective Equipment and Emergency Procedures:

Evacuate area and keep unnecessary and unprotected personnel from entering the spill area. Use proper personal protective equipment listed in section 8.

Environmental Precautions:

Keep runoff from storm sewers, ditches, streams, lakes and other ground waters and waterways.

Methods and Materials for Containment and Clean Up:

Contain all spills. Absorb with oil-dri or similar inert material. Sweep or scrape up and containerize. Collect into suitable containers and dispose of properly in accordance with all applicable regulations. (See Section 13) Rinse affected area thoroughly with water.

SECTION 7: Handling and storage

Precautions for Safe Handling:

Employees who come in contact with this material must be trained in accordance to 1910.1200 of the Hazard Communicating Standard. Wear chemical resistant gloves and protective clothing to minimize contact. The use of respiratory protection is advised when spraying because of mist and dust overspray.

Precautions for Safe Storage:

Keep containers tightly closed. Use and store material in cool, dry, well-ventilated areas away from heat, direct sunlight, hot metal surfaces, and all sources of ignition. Post "No smoking or open flame" sign. Store only in approved containers. Keep away from incompatible materials (see section 10). Protect containers against physical damage. Indoor storage should meet OSHA standards and appropriate fire codes.

Other Precautions:

All empty containers should be disposed of in an environmentally safe manner in accordance with all governmental regulations.

SECTION 8: Exposure controls/personal protection

Control Parameters:

See Section 3 for Occupational Exposure Limit Values

Engineering Controls:

General room ventilation is adequate.

Personal Protective Equipment:

Respiratory Protection:

No special requirements under normal use conditions. In confined areas, or areas with poor ventilation, engineering controls should be used to minimize exposure. Use NIOSH/MSHA approved respirator if conditions warrant.

Protective Gloves:

Prevent prolonged or repeated contact by wearing chemical resistant gloves and other appropriate protective clothing. Launder contaminated clothing before reuse.

Eye Protection:

Wear safety glasses to reduce eye contact potential. Chemical safety goggles (ANSI Z87.1 or approved equivalent) are appropriate if splashing is likely. Eye washes must be available where eye contact can occur.

Other Protective Clothing or Equipment:

A source of clean water should be available for flushing eyes and skin. Showers should be available if

larger spills are possible.

Work/Hygienic Practices:

Efforts should be made to minimize contact and spills. Always wash hands before eating, drinking, or smoking. Clean up spills promptly. Follow OSHA and company guidelines.

SECTION 9: Physical and chemical properties

Appearance/Physical State:	Liquid	Color:	Various Colors
Odor:	Odorless	pH:	Not Determined
Odor Threshold:	Not Measured	Solubility in Water:	Insoluble/Negligible
Melting/Freezing Point:	Not Determined	Boiling Point/Range:	Not Determined
Specific Gravity (H_2O=1):	1.14	Vapor Density:	Greater Than Air
Evaporation Rate:	Not Determined	Flammability:	Not Determined
Flash Point:	480 FPMCC	Vapor Pressure:	Not Determined
Upper Explosion Limit:	Not Applicable	Auto-Ignition Temperature:	Not Determined
Lower Explosions Limit:	Not Applicable	Partition Coefficient:	Not Applicable
Decomposition Temperature:	Not Determined	Viscosity Coating V.O.C.:	3g/l (0.03) lb/gl)

SECTION 10: Stability and reactivity

Reactivity:

Will not occur.

Chemical Stability:

Stable under normal conditions and handling.

Possibility of Hazardous Reactions:

No hazardous reactions if stored and handled as prescribed/indicated.

Conditions to Avoid:

None known

Incompatible materials:

Avoid exposure to strong oxidizing agents and reducing agents.

Hazardous Decomposition or Byproducts:

Combustion may liberate toxic byproducts such as carbon dioxide, and carbon monoxide, various oxides of carbon and nitrogen. Thermal decomposition may liberate acrylic monomers and ammonia.

SECTION 11: Toxicological information

Sensitization:

Product is a skin sensitizer; sensitization can be severe in susceptible individuals.

Carcinogenicity:

There is no data available to indicate any components present at greater than 0.1% may present a carcinogenic hazard.

Reproductive Toxicity:

There is no data available to indicate any components present at greater than 0.1% may present reproductive toxicity.

Teratogenicity (Birth Defects):

There is no data available to indicate any components present at greater than 0.1% may cause birth defects.

Mutagenicity:

There is no data to indicate that any component present at greater than 0.1% will alter DNA.

SECTION 12: Ecological information

Ecotoxicity:

No data available.

Persistence and Degradability:

Not readily degradable.

Bio accumulative Potential:

No data available.

Mobility in Soil:

No data available.

Other Adverse Effects:

Although no information is available for this specific product mixture, individual components may by themselves may have ecological affects. Nonylphenol is a marine pollutant.

SECTION 13: Disposal consideration

This product does not meet the definition of hazardous waste under the U.S. EPA Hazardous Waste Regulations 40 CFR 261, however, state and local regulations may be more restrictive. Coagulate the emulsion by the stepwise addition of ferric chloride and lime. Remove the clear supernatant and flush to a chemical sewer. Incinerate liquid and contaminated solids in accordance with local, state, and federal regulations.

SECTION 14: Transportation information

Proper Shipping Name: (UN #, Shipping Name, Hazard Class, Packing Group)

Not Regulated

SECTION 15: Regulatory information

US Toxic Substance Control Act (TSCA):

All ingredients of this product are listed, or are excluded from listing, on the US Toxic Substances Control Act (TSCA) chemical substance inventory.

SARA 302 Extremely Hazardous Substance:

None

SARA 311/312 Hazardous Chemical:

See Section 3

SARA 313 (TRI Reporting)

This product does contain a chemical(s) subject to the reporting requirements of SARA Title III, Section 313 (40CFR 372). See section 3.

State Listed Components	CAS Number	State Code
Phenylglycidyl Ether	122-60-1	CA
Bisphenol A	80-05-7	CA, MA, NJ, PA
Cumene	98-82-8	CA, CT, FL, IL, LA, MA, ME, MN, NJ, PA, RI

SECTION 16: Other information

This version replaces all previous versions. The information contained in this SDS and any recommendations, technical or otherwise, are presented in good faith and believed to be correct as of the date prepared. Although certain hazards are described herein, SaniGLAZE International, LLC, cannot guarantee that these are the only hazards that exist. Recipients of this information and recommendations must make their own determination as to its suitability for their purposes. In no event shall SaniGLAZE International, LLC, assume liability for damages or losses of any kind or nature that result from the use of or reliance upon this information and recommendations. SaniGLAZE International, LLC, expressly disclaims any representations and warranties of any kind, whether express or implied, as to the accuracy, completeness, non- infringement, merchantability and/or fitness for a particular purpose with respect to any information and recommendations provided. SaniGLAZE International, LLC, reserves the right to make any changes to the information and/or recommendations at any time, without prior subsequent notice.

----------END OF SDS----------

SaniMAX-C Base

Safety Data Sheet

Prepared according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2016 / Rules and Regulations

Revision date: 01/16/2018 Supersedes: 12/20/2017 Version: 1.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name: SaniMAX-C Base

Product form: Mixture

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture: Industrial/Commercial Floor Coating

1.3. Details of the supplier of the safety data sheet

SaniGLAZE International, LLC
PO Box 37209
Jacksonville, FL 32236
Tel. No: 800-874-5554
Fax No: 904-366-2690

1.4. Emergency telephone number

Number for chemical emergencies: 800-255-3924

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (GHS-US)

Not classified

2.2. Label elements

GHS-US labeling

No labeling applicable

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS-US)

No data available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%
Contains no hazardous ingredients at levels requiring disclosure by the OSHA Hazard Communication Standard (29 CFR 1910.1200).		

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : If you feel unwell, seek medical advice (show the label where possible). Never give anything by mouth to an unconscious person.

First-aid measures after inhalation : IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing;Call a POISON CENTER/doctor/physician if you feel unwell.

First-aid measures after skin contact : IF ON SKIN: Immediately rinse with plenty of water (for at least 15 minutes). Get medical advice/attention.

First-aid measures after eye contact : IF IN EYES: Rinse immediately and thoroughly, pulling the eyelids well away from the eye(15 minutes minimum). Get medical advice/attention.

First-aid measures after ingestion : IF SWALLOWED: Rinse mouth, Do NOT induce vomiting, Call a POISON CENTER/doctor/physician if you feel unwell.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries : Not expected to present a significant hazard under anticipated conditions of normal use. May be slightly irritating to skin and eyes.

Symptoms/injuries after inhalation : May cause respiratory irritation.

Symptoms/injuries after skin contact : May cause skin irritation.

Symptoms/injuries after eye contact : Direct contact with the eyes is likely to be irritating.

Symptoms/injuries after ingestion : May cause a light irritation of the linings of the mouth, throat, and gastrointestinal tract.

Chronic symptoms : No data available.

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

suitable extinguishing media : Water spray. Carbon dioxide. Alcohol-resistant foam. Dry powder.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Product is not flammable.

Explosion hazard : Product is not explosive.

Reactivity : No dangerous reactions known under normal conditions of use.

5.3. Advice for firefighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Do not dispose of fire-fighting water in the environment.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Evacuate area. Keep upwind. Ventilate area. Spill should be handled by trained clean-up crews properly equipped with respiratory equipment and full chemical protective gear (see Section 8).

6.1.1. For non-emergency personnel

Protective equipment : Wear Protective equipment as described in Section 8.

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Wear suitable protective clothing, gloves and eye or face protection. Approved supplied-air respirator, in case of emergency.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Place in a suitable container for disposal in accordance with the waste regulations (see Section 13).

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. Do not breathe mists. Keep away from sources of ignition - No smoking.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Heat sources. Keep container closed when not in use.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.2. Exposure controls

Appropriate engineering controls : Ensure adequate ventilation.

Personal protective equipment : Gloves. Protective goggles.

Hand protection : Protective gloves made of rubber.

Eye protection : Chemical goggles or safety glasses.

Skin and body protection : Wear suitable protective clothing. Wear long sleeves.

Respiratory protection : An approved organic vapor respirator/supplied air or self-contained breathing apparatus must be used when vapor concentration exceeds applicable exposure limits.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Color	: Clear. Yellowish.
Odor	: Characteristic.
Odor Threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Self ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: No data available
Solubility	: Insoluble in water.
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reactions known under normal conditions of use.

10.2. Chemical stability

Stable under recommended handling and storage conditions (see section 7).

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

No data available.

10.6. Hazardous decomposition products

None known.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	: Not classified
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified

2-Butoxyethanol (111-76-2)	
IARC group	3 - Not classifiable

Reproductive toxicity : Not classified

Specific target organ toxicity (single exposure) : Not classified

Specific target organ toxicity (repeated exposure) : Not classified

Aspiration hazard : Not classified

Symptoms/injuries after inhalation : May cause respiratory irritation.

Symptoms/injuries after skin contact : May cause skin irritation.

Symptoms/injuries after eye contact : Direct contact with the eyes is likely to be irritating.

Symptoms/injuries after ingestion : May cause a light irritation of the linings of the mouth, throat, and gastrointestinal tract.

Chronic symptoms : No data available.

Likely routes of exposure : Inhalation;Skin and eyes contact;Ingestion

SECTION 12: Ecological information

12.1. Toxicity

No additional information available

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Do not discharge to public wastewater systems without permit of pollution control authorities. No discharge to surface waters is allowed without an NPDES permit.

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Do not allow the product to be released into the environment. Dispose of residues of this material to a hazardous waste handling facility. SaniMAX-C Base would not be considered an EPA hazardous waste.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not applicable

14.2. UN proper shipping name

Not applicable

14.3. Additional information

Other information : No supplementary information available

Overland transport

No additional information available

Transport by sea

No additional information available

Air transport

No additional information available

SECTION 15: Regulatory information

15.1. US Federal regulations

SaniMAX-C BASE
All components of this product are listed on the TSCA Inventory or are exempt

15.2. International regulations

CANADA

EU-Regulations

No additional information available

15.2.2. National regulations

15.3. US State regulations

2-Butoxyethanol (111-76-2)
U.S. - Massachusetts - Right To Know List U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List

SECTION 16: Other information

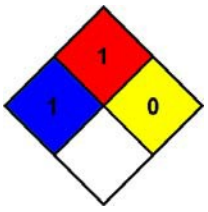
Indication of changes : Revision 1.0 – 17 Jan 2014 - New SDS Created.

Other information : Author: JAH.

NFPA health hazard : 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.

NFPA fire hazard : 1 - Must be preheated before ignition can occur.

NFPA reactivity : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.



HMIS III Rating

Health : 1

Flammability : 1

Physical : 0

Personal Protection :

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

SaniMAX Textite

Safety Data Sheet

Prepared according to Federal Register / Vol. 77, No. 58 / Monday, January 1, 2018 / Rules and Regulations Revision date: 8/13/2017 Version: 1.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name : SANIMAX TEXTITE 140 & SANIMAX TEXTITE 100

Product form : Mixture

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Wax Additive

1.3. Details of the supplier of the safety data sheet

SaniGLAZE International, LLC
PO Box 37209
Jacksonville, FL 32236
Tel. No: 800-874-5554
Fax No: 904-366-2690

1.4. Emergency telephone number

Number for chemical emergencies: 800-255-3924

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (GHS-US)

OSHA 29CFR 1910.1200	Combustible dust
Regulation (EC) No 1272/2008	Not a hazardous substance or mixture
Directives 67/548/EEC, 1999/45/EC	Not a hazardous substance or mxture

2.2. Label elements

NA

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS-US)

No data available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%
Polypropylene	(CAS No) 9003-07-0	60 - 100

Avoid high concentrations of polymer fumes when melting.

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : INSTRUCTION FOR PHYSICIANS: No specific advice. Treat according to symptoms present.

First-aid measures after inhalation : IF INHALED: Treat as a nuisance dust. Remove victim to fresh air and provide oxygen if breathing is difficult. Immediate medical attention not normally required. No delayed effects expected.

First-aid measures after skin contact : IF ON SKIN: If burned by hot wax, quench immediately with cold tap water. Dry burn area and loosely cover to protect against infection. Do not apply ointment or salves. IMMEDIATE MEDICAL ATTENTION IS NECESSARY

FOR SKIN IRRITATION: Wash skin with soap and water and use emollient skin cream.

First-aid measures after eye contact : IF IN EYES: Rinse immediately and thoroughly, pulling the eyelids well away from the eye (15 minutes minimum). IMMEDIATE MEDICAL ATTENTION IS NECESSARY

First-aid measures after ingestion : IF INGESTED: Not a normal or expected route of introduction. If large quantities are ingested, IMMEDIATE MEDICAL ATTENTION IS NECESSARY. Do not give anything to an unconscious person.

4.2. Most important symptoms and effects, both acute and delayed

Medical Condtions Aggravated by Exposure : May irritate people with skin problems, asthma and lung diseases. Susceptible individuals may have an allergic reaction.

Symptoms/injuries after inhalation : May cause dizziness, headache, respiratory irritation or unconsciousness.

Symptoms/injuries after skin contact : Negligible dermal irritant. Exposure may lead to itching, scaling, drying and irritation of skin.

Symptoms/injuries after eye contact	:	Particulates may cause mechanical eye irritation.
Symptoms/injuries after ingestion	:	Generally non-toxic unless large quantities are ingested.
Acute symptoms		High concentrations of polymer fumes may cause eye, nose and respiratory irritation, dizziness or unconsciousness.
Chronic symptoms	:	Repeated skin contact can lead to drying, defatting, itching, stinging and irritation.

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	:	Carbon Dioxide, dry chemical or fine water spray. Avoid water stream on molten burning material as it may scatter and spread the fire.

5.2. Special hazards arising from the substance or mixture

Fire hazard	:	Flash point >530°F Melts in proximity to fires, causing slippery floors and stairs.
Explosion hazard	:	When powder is suspended in air, these products could be flammable/explosive.
Reactivity	:	Static charges on powders or powders in liquids may ignite flammable atmospheres.

5.3. Advice for firefighters

Firefighting instructions	:	Watch footing on floors and stairs because of possible melting and spreading of material. Use spray to keep containers cool
Protection during firefighting	:	Wear self-contained breathing apparatus and protective clothing approved by NIOSH.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	:	Evacuate area. Keep upwind. Ventilate area. Spill should be handled by trained clean-up crews properly equipped with respiratory equipment and protective gear (see Section 8).

6.1.1. For non-emergency personnel

Protective equipment	:	Wear Protective equipment as described in Section 8.
Emergency procedures	:	Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment	:	Wear suitable protective clothing, gloves and eye or face protection. Approved supplied-air respirator, in case of emergency.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment	:	Remove ignition sources. Sweep up with a minimum of dusting.
Methods for cleaning up	:	Collect in containers (fiberboard drums or cartons). If hot liquid, attempt to confine spill and let the polymer solidify. Once solid, it may be recovered as the powder.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	:	Always wear recommended personal protective equpment. Avoid breathing fumes from heating operations. Avoid spillage wihich can cause very slippery conditions on floors. Use good personal hygiene and housekeeping.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	:	Keep only in the original container in a cool, well ventilated place away from heat sources. Keep container closed when not in use. Do not store near strong oxidizing agents and amines.

7.3. Specific end use(s)

Electrostatic charges of non-conductive materials are a natural phenomenon ranging from harmless to a nuisance to a hazard, depending on the degree of charging and the environment where the discharge takes place. In the case of micronized polymers and waxes, very high levels of static electricity develop in their manufacture, transportation and handling. These products, being poor conductors of electricity, can and will hold a static charge for long periods of time. With this in mind, a great deal of care should be exercised when handling this type of product in or around flammable liquids, particularly if the liquid is at or near its flashpoint. The generation of static electricity cannot be prevented because its intrinsic origins are present at every particle interface. Some common sense approaches to the hazards involved with static electricity are as follows:

- Use only conductive equipment and keep all components grounded and bonded to the same vessel in order to equalize any potential charge.
- Avoid projections and probes that could lead to discharge between the charged polymer and probe.
- Avoid a flammable condition by the use of inert gases in the container or by providing sufficient exhaust so as to prevent a buildup of flammable solvent vapors.
- Never pour micronized polymers or waxes from a drum or large container directly into hot flammable solvents.
- Add micronized polymers or waxes slowly and in small quantities to hot flammable solvents.

Do not permit the product to free fall directly into the solvent. Use a pipe or chute that leads down to the level of the solvent.
Make sure the pipe or chute is grounded and bonded.
If mechanical equipment must be used, a slow-turning screw feeder that is grounded is preferred.
Good housekeeping is of prime importance. The building and equipment should be designed to eliminate shelves.

The above are only suggestions and should not be taken as recommended practices in your establishment and in no way should be considered as comprehensive engineering controls. A more detailed discussion and recommended practices can be found in NFPA 77 issued by the National Fire Protection Association Inc. in 1988.

8: Exposure controls/personal protection

8.1. Control parameters

Polypropylene	
Remark (ACGIH)	OELs not established
Remark (US OSHA)	OELs not established

8.2. Exposure controls

Appropriate engineering controls : Use adequate ventiliation during heating processes or if dusty conditions prevail when handling powdered materials. For storage and ordinary handling, general ventilation is adequate.

Personal protective equipment : Gloves. Protective goggles. Protective clothing. Respiratory protection of the dependent type.

Hand protection : Use heat resistant, impervious gloves to avoid repeated/proglonged skin contact with molten material and powder. .

Eye protection : Chemical goggles around molten material and in dusty conditions.

Skin and body protection : As needed to prevent repeated/prolonged contact.

Respiratory protection : Use a NIOSH approved dust respirator with powdered wax. During melting or conveying in molten state, use organic vapor respirator.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Powder

Color : White

Odor : Typical wax odor

pH : No data available

Relative evaporation rate (butyl acetate=1) : NA

Melting point : 325°F 163°C

Freezing point : No data available

Boiling point : NA

Flash point : >530°F 277°C

Self ignition temperature : No data available

Decomposition temperature : No data available

Flammability (solid, gas) : Combustible solid

Vapor pressure : NIL

Relative vapor density at 20 °C : Heavier than air

Relative density : 0.89g/cc

Solubility : NIL

Log Pow : No data available

Log Kow : No data available

Viscosity, kinematic : No data available

Viscosity, dynamic : No data available

Explosive properties : No data available

Oxidizing properties : No data available

Explosive limits : No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reactions known under normal conditions of use.

10.2. Chemical stability

Stable under recommended handling and storage conditions (see section 7).

10.3. Possibility of hazardous reactions

No reactivity hazard other than the effects described in sub-sections below.

10.4. Conditions to avoid

Sparks. Heat. Open flame.

10.5. Incompatible materials

Avoid contact with : Strong oxidizing agents and amines.

10.6. Hazardous decomposition products

These products may emit oxides of carbon and nitrogen.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	:	No data developed
Skin corrosion/irritation	:	No data developed. None expected.
Serious eye damage/irritation	:	No data developed. Treat as nuisance dust.
Respiratory or skin sensitization	:	No data developed. Treat as nuisance dust.
Germ cell mutagenicity	:	No data developed
Carcinogenicity	:	N.T.P. Carcinogen: No I.A.R.C. Carcinogen: No
Reproductive toxicity	:	No
STOST (single exposure)	:	No data developed. Treat as nuisance dust.
STOST (repeated exposure)	:	No data developed. Treat as nuisance dust.
Aspiration hazard	:	No data developed. Aspiration is possible

SECTION 12: Ecological information

12.1. Toxicity

No additional information available

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

No data has been developed on this subject. These polymeric products are not soluble in water. They are not considered biodegradable. Potential environmental impact in case of spill or release is considered to be minimal to NIL.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods	:	Do not discharge to public wastewater systems without permit of pollution control authorities. No discharge to surface waters is allowed without an NPDES permit.
Waste disposal recommendations	:	Assume conformity with applicable disposal regulations. Preferred method of disposal is in closed containers of sufficient strength to eliminate leakage at approved incineration or chemical landfill waste disposal site in accoradance with local regulations.

RCRA: Is the unused product a RCRA hazardous waste if discarded: No

The information offered here is for the product as shipped. Use and/or alterations to the product such as mixing with other materials may significantly change the characteristics of the material and alter the RCRA classification and the proper disposal method.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not classified as hazardous

14.2. UN proper shipping name

NA

14.3. Transport Hazard Class

NA

14.4. Packing Group

NA

14.5. Environmental hazards

Not considered marine pollutant. Not considered environmentally hazardous.

14.6. Special Precautions

Keep sealed and secure. Do not expose to heat.

14.7. DOT Classification

Non-Hazardous

14.8. INCO Terms

EXW for Regulatory Purposes and Responsibilities

SECTION 15: Regulatory information

15.1. US Federal regulations

SANIMAX TEXTITE	
All chemical substances in this product are listed in the EPA (Environmental Protection Agency) TSCA (Toxic Substances Control Act) Inventory	
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard Delayed (chronic) health hazard
California PROP65 Information	Not Regulated
WHMIS Classification (Candda)	Not subject to WHMIS regulations
Clean Water Act – Priority Pollutants	Contains no know priority pollutants at concentrations greater than 0.1%

SECTION 16: Other information

HMIS III Rating

Health	: 1
Flammability	: 1
Reactivity	: 0

Other useful guides to handling organic powders include:

NFPA 77 Recommended Practices on Static Electricity

NFPA 654 Standards for the Prevention of Fire and Dust Explosions from the Manufacturing, Processing, and Handling of Combustible Particulate Solids

NFPA 499 Recommended Practice for the Classification of Combustible Dusts and of Hazardous (Classified) Locations for Electrical Installations in Chemical Process Areas

DUST HAZARD - Notification given pursuant to Table 1.5.2 of the 3rd Revision of GHS (2009).

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

SaniMAX Base

Safety Data Sheet

Prepared according to Federal Register / Vol. 77, No. 58 / Monday, March 27, 2017/ Rules and Regulations

Revision date: 01/16/2018 Supersedes: 12/20/2016 Version: 1.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name: SaniMAX Base

Product form: Mixture

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture: Industrial/Commercial Floor Coating

1.3. Details of the supplier of the safety data sheet

SaniGLAZE International, LLC
PO Box 37209
Jacksonville, FL 32236
Tel. No: 800-874-5554
Fax No: 904-366-2690

1.4. Emergency telephone number

Number for chemical emergencies: 800-255-3924

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (GHS-US)

Not classified

2.2. Label elements

GHS-US labeling

No labeling applicable

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS-US)

No data available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%
Contains no hazardous ingredients at levels requiring disclosure by the OSHA Hazard Communication Standard (29 CFR 1910.1200).		

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : If you feel unwell, seek medical advice (show the label where possible). Never give anything by mouth to an unconscious person.

First-aid measures after inhalation : IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing;Call a POISON CENTER/doctor/physician if you feel unwell.

First-aid measures after skin contact : IF ON SKIN: Immediately rinse with plenty of water (for at least 15 minutes). Get medical advice/attention.

First-aid measures after eye contact : IF IN EYES: Rinse immediately and thoroughly, pulling the eyelids well away from the eye(15 minutes minimum). Get medical advice/attention.

First-aid measures after ingestion : IF SWALLOWED: Rinse mouth, Do NOT induce vomiting, Call a POISON CENTER/doctor/physician if you feel unwell.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries : Not expected to present a significant hazard under anticipated conditions of normal use. May be slightly irritating to skin and eyes.

Symptoms/injuries after inhalation : May cause respiratory irritation.

Symptoms/injuries after skin contact : May cause skin irritation.

Symptoms/injuries after eye contact : Direct contact with the eyes is likely to be irritating.

Symptoms/injuries after ingestion : May cause a light irritation of the linings of the mouth, throat, and gastrointestinal tract.

Chronic symptoms : No data available.

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

suitable extinguishing media : Water spray. Carbon dioxide. Alcohol-resistant foam. Dry powder.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Product is not flammable.

Explosion hazard : Product is not explosive.

Reactivity : No dangerous reactions known under normal conditions of use.

5.3. Advice for firefighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Do not dispose of fire-fighting water in the environment.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Evacuate area. Keep upwind. Ventilate area. Spill should be handled by trained clean-up crews properly equipped with respiratory equipment and full chemical protective gear (see Section 8).

6.1.1. For non-emergency personnel

Protective equipment : Wear Protective equipment as described in Section 8.

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Wear suitable protective clothing, gloves and eye or face protection. Approved supplied-air respirator, in case of emergency.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Place in a suitable container for disposal in accordance with the waste regulations (see Section 13).

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. Do not breathe mists. Keep away from sources of ignition - No smoking.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Heat sources. Keep container closed when not in use.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.2. Exposure controls

Appropriate engineering controls : Ensure adequate ventilation.

Personal protective equipment : Gloves. Protective goggles.

Hand protection : Protective gloves made of rubber.

Eye protection : Chemical goggles or safety glasses.

Skin and body protection : Wear suitable protective clothing. Wear long sleeves.

Respiratory protection : An approved organic vapor respirator/supplied air or self-contained breathing apparatus must be used when vapor concentration exceeds applicable exposure limits.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Color	: Clear. Yellowish.
Odor	: Characteristic.
Odor Threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Self ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: No data available
Solubility	: Insoluble in water.
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reactions known under normal conditions of use.

10.2. Chemical stability

Stable under recommended handling and storage conditions (see section 7).

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

No data available.

10.6. Hazardous decomposition products

None known.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	: Not classified
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified

2-Butoxyethanol (111-76-2)	
IARC group	3 - Not classifiable

Reproductive toxicity : Not classified

Specific target organ toxicity (single exposure) : Not classified

Specific target organ toxicity (repeated exposure) : Not classified

Aspiration hazard : Not classified

Symptoms/injuries after inhalation : May cause respiratory irritation.

Symptoms/injuries after skin contact : May cause skin irritation.

Symptoms/injuries after eye contact : Direct contact with the eyes is likely to be irritating.

Symptoms/injuries after ingestion : May cause a light irritation of the linings of the mouth, throat, and gastrointestinal tract.

Chronic symptoms : No data available.

Likely routes of exposure : Inhalation;Skin and eyes contact;Ingestion

SECTION 12: Ecological information

12.1. Toxicity

No additional information available

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Do not discharge to public wastewater systems without permit of pollution control authorities. No discharge to surface waters is allowed without an NPDES permit.

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Do not allow the product to be released into the environment. Dispose of residues of this material to a hazardous waste handling facility. SaniMAX Base would not be considered an EPA hazardous waste.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not applicable

14.2. UN proper shipping name

Not applicable

14.3. Additional information

Other information : No supplementary information available.

Overland transport

No additional information available

Transport by sea

No additional information available

Air transport

No additional information available

SECTION 15: Regulatory information

15.1. US Federal regulations

SANIMAX BASE
All components of this product are listed on the TSCA Inventory or are exempt

15.2. International regulations

CANADA

EU-Regulations

No additional information available

15.2.2. National regulations

15.3. US State regulations

2-Butoxyethanol (111-76-2)
U.S. - Massachusetts - Right To Know List U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List

SECTION 16: Other information

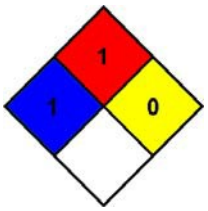
Indication of changes : Revision 1.0 – 17 Jan 2014 - New SDS Created.

Other information : Author: JAH.

NFPA health hazard : 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.

NFPA fire hazard : 1 - Must be preheated before ignition can occur.

NFPA reactivity : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.



HMIS III Rating

Health : 1

Flammability : 1

Physical : 0

Personal Protection :

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

SaniMAX Accelerator

Safety Data Sheet

Prepared according to Federal Register / Vol. 77, No. 58 / Monday, March 27, 2017/ Rules and Regulations

Revision date: 01/16/2018 Supersedes: 12/20/2016 Version: 1.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name : SANIMAX ACCELERATOR

Product form : Mixture

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Industrial/Commercial Floor Coating

1.3. Details of the supplier of the safety data sheet

SaniGLAZE International, LLC
PO Box 37209
Jacksonville, FL 32236
Tel. No: 800-874-5554
Fax No: 904-366-2690

1.4. Emergency telephone number

Number for chemical emergencies: 800-255-3924

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (GHS-US)

Acute Tox. 4 (Oral) H302
Skin Corr. 1B H314
Muta. 2 H341
Repr. 1B H360
STOT RE 1 H372

2.2. Label elements

GHS-US labeling

Hazard pictograms (GHS-US) :

GHS05 GHS07 GHS08

Signal word (GHS-US) : **Danger**

Hazard statements (GHS-US) : H302 - Harmful if swallowed
H314 - Causes severe skin burns and eye damage
H341 - Suspected of causing genetic defects
H360 - May damage fertility or the unborn child
H372 - Causes damage to organs through prolonged or repeated exposure

Precautionary statements (GHS-US) : P260 - Do not breathe mist, spray
P264 - Wash hands thoroughly after handling
P280 - Wear eye protection, face protection, protective clothing, protective gloves
P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting
P303+P361+P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS-US)

No data available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%
Proprietary Amine	(CAS No) Trade Secret	60 - 100
Proprietary Organotin Compound	(CAS No) Trade Secret	1 - 5

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : IF exposed or concerned: Get medical advice/attention. Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation : IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing;Call a POISON CENTER/doctor/physician if you feel unwell.

First-aid measures after skin contact : IF ON SKIN: Immediately rinse with plenty of water (for at least 15 minutes). Get medical advice/attention.

First-aid measures after eye contact : IF IN EYES: Rinse immediately and thoroughly, pulling the eyelids well away from the eye (15 minutes minimum). Get medical advice/attention.

First-aid measures after ingestion : IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries : Harmful if swallowed. Causes severe skin burns and eye damage. Suspected of causing genetic defects. May damage fertility. May damage the unborn child. May cause damage to organs.

Symptoms/injuries after inhalation : May cause headache, nausea and irritation of respiratory tract.

Symptoms/injuries after skin contact : Highly corrosive to skin.

Symptoms/injuries after eye contact : Causes serious eye burns.

Symptoms/injuries after ingestion : Severe irritation or burns to the mouth, throat, esophagus, and stomach.

Chronic symptoms : May damage fertility. May damage the unborn child. May have mutagenic effect.

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

suitable extinguishing media : Water spray. Carbon dioxide. Alcohol-resistant foam. Dry powder.

5.2. Special hazards arising from the substance or mixture

Fire hazard : The product is not easily ignited. Must be moderately heated or exposed to relatively high temperature before ignition can occur.

Explosion hazard : Product is not explosive.

Reactivity : No dangerous reactions known under normal conditions of use.

5.3. Advice for firefighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Do not dispose of fire-fighting water in the environment.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Evacuate area. Keep upwind. Ventilate area. Spill should be handled by trained clean-up crews properly equipped with respiratory equipment and full chemical protective gear (see Section 8).

6.1.1. For non-emergency personnel

Protective equipment : Wear Protective equipment as described in Section 8.

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Wear suitable protective clothing, gloves and eye or face protection. Approved supplied-air respirator, in case of emergency.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Place in a suitable container for disposal in accordance with the waste regulations (see Section 13).

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Do not handle until all safety precautions have been read and understood. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. Do not breathe mists. Keep away from sources of ignition - No smoking.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Heat sources. Keep container closed when not in use.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Proprietary Organotin Compound (Trade Secret)	
Remark (ACGIH)	OELs not established
Remark (US OSHA)	OELs not established

Proprietary Amine (Trade Secret)	
Remark (ACGIH)	OELs not established
Remark (US OSHA)	OELs not established

8.2. Exposure controls

Appropriate engineering controls : Ensure adequate ventilation, especially in confined areas.

Personal protective equipment : Gloves. Protective goggles. Face shield. Protective clothing. Respiratory protection of the dependent type.

Hand protection : Protective gloves made of rubber.

Eye protection : Eye protection, including both chemical splash goggles and face shield, must be worn when possibility exists for eye contact due to spraying liquid or airborne particles.

Skin and body protection : Corrosionproof clothing.

Respiratory protection : An approved half-mask organic vapor respirator must be used when vapor concentration exceeds applicable exposure limits.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid

Color : Clear. Yellowish.

Odor : Characteristic.

Odor Threshold : No data available

pH : No data available

Relative evaporation rate (butyl acetate=1) : No data available

Melting point : No data available

Freezing point : No data available

Boiling point : No data available

Flash point : No data available

Self ignition temperature : No data available

Decomposition temperature : No data available

Flammability (solid, gas) : No data available

Vapor pressure : No data available

Relative vapor density at 20 °C : No data available

Relative density : No data available

Solubility : Insoluble in water.

Log Pow : No data available

Log Kow : No data available

Viscosity, kinematic : No data available

Viscosity, dynamic	:	No data available
Explosive properties	:	No data available
Oxidizing properties	:	No data available
Explosive limits	:	No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reactions known under normal conditions of use.

10.2. Chemical stability

Stable under recommended handling and storage conditions (see section 7).

10.3. Possibility of hazardous reactions

No reactivity hazard other than the effects described in sub-sections below.

10.4. Conditions to avoid

Sparks. Heat. Open flame.

10.5. Incompatible materials

Avoid contact with : Strong oxidizing agents. Strong acids.

10.6. Hazardous decomposition products

Thermal decomposition generates : Nitrogen oxides. Hydrolysis produces ethanol and trisilanol.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Harmful if swallowed.

Proprietary Organotin Compound (Trade Secret)	
LD50 oral rat	175 mg/kg

Proprietary Amine (Trade Secret)	
ATE (oral)	500.0 mg/kg body weight

Skin corrosion/irritation	: Causes severe skin burns and eye damage.
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Suspected of causing genetic defects (Proprietary Organotin Compound).
Carcinogenicity	: Not classified
Reproductive toxicity	: May damage fertility or the unborn child (Proprietary Organotin Compound).
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Causes damage to organs through prolonged or repeated exposure (Proprietary Organotin Compound).
Aspiration hazard	: Not classified
Symptoms/injuries after inhalation	: May cause headache, nausea and irritation of respiratory tract.
Symptoms/injuries after skin contact	: Highly corrosive to skin.
Symptoms/injuries after eye contact	: Causes serious eye burns.
Symptoms/injuries after ingestion	: Severe irritation or burns to the mouth, throat, esophagus, and stomach.
Chronic symptoms	: May damage fertility. May damage the unborn child. May have mutagenic effect.
Likely routes of exposure	: Ingestion;Inhalation;Skin and eyes contact

SECTION 12: Ecological information

12.1. Toxicity

No additional information available

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Do not discharge to public wastewater systems without permit of pollution control authorities. No discharge to surface waters is allowed without an NPDES permit.

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Do not allow the product to be released into the environment. Dispose of residues of this material to a hazardous waste handling facility. SaniMAX Accelerator would be considered an EPA hazardous waste: US RCRA Hazardous Waste Code: Corrosive Waste D002.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

UN-No.(DOT) : 3267

DOT NA no. UN3267

14.2. UN proper shipping name

DOT Proper Shipping Name : Corrosive liquids, basic, organic, n.o.s.
(contains Proprietary Amine, Proprietary Organotin Compound)

Department of Transportation (DOT) Hazard Classes : 8 - Class 8 - Corrosive material 49 CFR 173.136

Hazard labels (DOT) : 8 - Corrosive

DOT Symbols : G - Identifies PSN requiring a technical name

Packing group (DOT) : II - Medium Danger

14.3. Additional information

Other information : No supplementary information available.

Overland transport

No additional information available

Transport by sea

DOT Vessel Stowage Location : B - (i) The material may be stowed ‘‘on deck’’ or ‘‘under deck’’ on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers, or one passenger per each 3 m of overall vessel length; and (ii) ‘‘On deck only’’ on passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) of this section is exceeded.

DOT Vessel Stowage Other : 40 - Stow ‘‘clear of living quarters’’

Air transport

DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) : 1 L

DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) : 30 L

SECTION 15: Regulatory information

15.1. US Federal regulations

SANIMAX ACCELERATOR	
All chemical substances in this product are listed in the EPA (Environmental Protection Agency) TSCA (Toxic Substances Control Act) Inventory	
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard Delayed (chronic) health hazard

15.2. International regulations

CANADA

Proprietary Organotin Compound (Trade Secret)
Listed on the Canadian DSL (Domestic Substances List) inventory.

Proprietary Amine (Trade Secret)
Listed on the Canadian DSL (Domestic Substances List) inventory.

EU-Regulations

No additionna information avalable

15.2.2. National regulations

Proprietary Organotin Compound (Trade Secret)
Listed on the AICS (the Australian Inventory of Chemical Substances) Listed on Inventory of Existing Chemical Substances (IECSC) Listed on the Japanese ENCS (Existing & New Chemicals Substances) inventory. Listed on KECI (Chemical Inventory of Korea)

Proprietary Amine (Trade Secret)
Listed on the AICS (the Australian Inventory of Chemical Substances) Listed on Inventory of Existing Chemical Substances (IECSC) Listed on the Japanese ENCS (Existing & New Chemicals Substances) inventory. Listed on KECI (Chemical Inventory of Korea)

15.3. US State regulations

No additionna information avalable

SECTION 16: Other information

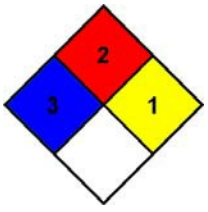
Indication of changes : Revision 1.0 – 17 Jan 2014 - New SDS Created.

Other information : Author: JAH.

NFPA health hazard : 3 - Short exposure could cause serious temporary or residual injury even though prompt medical attention was given.

NFPA fire hazard : 2 - Must be moderately heated or exposed to relatively high temperature before ignition can occur.

NFPA reactivity : 1 - Normally stable, but can become unstable at elevated temperatures and pressures or may react with water with some release of energy, but not violently.



HMIS III Rating

Health : 3

Flammability : 2

Physical : 1

Personal Protection :

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product Identifier

Product Name:	SaniGRIP
Product Code:	01-02-050

1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture:	Industrial/commercial floor care

1.3 Details of the supplier of the Safety Data Sheet

Manufacturer:	SaniGLAZE International, LLC
Address:	4526 Lenox Ave, Jacksonville, FL 32205
Phone:	800-874-5554

1.4 Emergency telephone number

Chem Tel Inc.	(800) 255-3924

SECTION 2: Hazards Identification

2.1 Classification of substance or mixtures:

GHS (US) Classification:	Acute toxicity, oral	Category 3
	Skin corrosion	Category 1B

Signal word: DANGER

Pictogram

2.2 GHS Label elements, including precautionary and hazard statements:

Hazard statements:	H301	Toxic if swallowed
	H314	Causes severe skin burns and eye damage.

Precautionary statements:

Prevention:	P264	Wash…. Thoroughly after handling.
	P270	Do not eat, drink or smoke when using this product.
	P260	Do not breathe dusts or mists.
	P280	Wear protective gloves/protective clothing/eye protection/face protection.
Response:	P301+310	IF SWALLOWED: Immediately call a POISON CENTER at 1 (800) 255-3924 or doctor/physician.
	P321	Specific treatment (See on this label)
	P330	Rinse mouth.
	P301+330+331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
	P303+361+353	IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
	P363	Wash contaminated clothing before use.
	P304+340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
	P310	Immediately call a POISON CENTER at 1(800) 255-3924 or doctor/physician.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.

Storage: P405 Store locked up.

Disposal Consideration: P501 Dispose contents/container in accordance with local, regional, national and international regulations.

2.3 Other hazards:
No additional information available

2.4 Unknown acute toxicity (GHS-US)

SECTION 3: Composition/Information on Ingredients

3.1 Substance
Not applicable

3.2 Mixture

Chemical Name	Common Names	CAS No.	Content By Weight
Ammonium Bifluoride	Ammonium Hydrogen difluoride	1341-49-7	1-10%
Other non hazardous components			90%

SECTION 4: First aid measure

4.1 Descriptions of first aid measures:

General advice: ***Provide this SDS to medical personnel for treatment***

If on eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.
If on skin (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
If swallowed: DO NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.
If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

4.2 Most important symptoms and effects, both acute and delayed:

May cause severe chemical burns with reddening and pain. May cause respiratory irritation. May cause gastrointestinal irritation, CNS depression, blindness, or death. May cause fluoride poisoning with symptoms including weakness, tremors, shallow breathing, spasms of the hands and feet, convulsions, and coma. May cause mottling of teeth, damage to bone and fluorosis.

4.3 Indication of any immediate medical attention and special treatment needed:

Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

SECTION 5: Fire-fighting measures

5.1 Extinguishing media:

Suitable extinguishing media: Product not flammable. Use appropriate media for adjacent fire. Cool containers with water.

Unsuitable extinguishing media: No data available

5.2 Specific hazards arising from the chemical:

Emit toxic fumes (nitrogen oxides, hydrogen fluoride gas, ammonia) under fire conditions. (See also Stability and Reactivity section).

5.3 Special protective measures for fire-fighters:

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Cool containers with flooding quantities of water until well after fire is out.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

General measures: Use proper personal protective equipment as indicated in Section 8.

6.1.1 For non-emergency personnel:

Protective equipment: Wear protective equipment as described in SECTION 8.
Emergency procedures: Evacuate unnecessary personnel.

6.1.2 For emergency responders:

Protective equipment: Equip cleanup crew with proper protection as required. Ventilate area.

6.2 Environmental precautions:

Prevent spillage from entering drains. Any release to the environment may be subject to federal/national or local reporting requirements.

6.3 Methods and materials for containment and cleaning up:

Method of containment: Contain spilled liquid with sand or earth. Recover by pumping or with suitable absorbent.

Method of cleaning up: Wash spill area with plenty of water. Spills and releases may have to be reported to Federal and/or local authorities. See SECTION 15.

6.4 Reference to other sections:

No additional information available.

SECTION 7: Handling and storage

7.1 Precautions for safe handling:

Handling: Refer section 8 for recommendations on the use of personal protective equipment. Use with adequate ventilation. Thoroughly wash hand after using. Keep container closed when not in use.

Technical protective measures: Provide good ventilation in process area to prevent formation of vapour.

7.2 Conditions for safe storage, including any incompatibilities:

Storage condition: Store in cool, dry well ventilated area. Keep away from incompatible materials. (Refer section 10 for incompatibilities)

7.3 Specific end uses:
None

SECTION 8: Exposure controls/personal protection

8.1 Control parameters.

Exposure guidelines:

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Ammonium bifluoride	TWA: 2.5mg/m3 F	TWA: 2.5 mg/m3 F TWA: 2.5 mg/m3 (dust vacated) TWA: 2.5 mg/m3	TWA: 2.5 mg/m3 F

Appropriate engineering controls: Ventilation should be provided to control worker exposures. And prevent health risk.

8.2 Exposure controls:

Personal protection: Avoid all unnecessary exposure

Personal protective equipment:

Eyes: Wear chemical safety glasses and goggles with a face shield.
Inhalation: Provide local exhaust, preferably mechanical. If exposure levels are excessive, use an approved respirator.
Skin and body protection: Wear nitrile gloves, rubber apron or full chemical suit and boots.
Other recommendations: Provide eye wash stations, quick drench showers and washing facilities accessible to areas of use and handling.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties:

Physical state:	Liquid
Color:	Clear colorless liquid
Odor:	Characteristic
Odor threshold:	Not available
pH:	2-3
Melting point/freezing point:	Not available
Initial boiling point/boiling range:	Not available
Flash point:	Not considered to be a fire hazard
Evaporation rate:	Not available
Flammability (solid, gas)	Not flammable
Upper/Lower flammability or explosive limits	
Flammability limit-lower (%):	Not available
Flammability limit-upper (%):	Not available
Vapor pressure:	Not available
Vapor density:	Not available
Solubility (ies):	Infinite
Specific gravity:	1.1
Partition coefficient (n-octanol/water):	Not available
Auto-ignition temperature:	Not available
Decomposition temperature:	Not available

9.2 Other information

Explosive properties: Not determined
Oxidizing properties: Not determined

SECTION 10: Stability and reactivity

10.1 Reactivity

Not reactive under normal condition.

10.2 Chemical stability

Stable under recommended storage condition.

10.3 Possibility of hazardous reactions.

None under normal processing.

10.4 Condition to avoid

Contact with metals and alkalis may release flammable hydrogen gas. Reacts with acids to liberate toxic and corrosive hydrogen fluoride. Reacts with bases to liberate ammonia.

10.5 Incompatible materials

Acids. Alkali. sulfides. Sulfur oxides. Ammonia. Bases. Caustic.

10.6 Hazardous decomposition products:

Thermal decomposition may yield toxic hydrogen fluoride, nitric oxides, and ammonia.

SECTION 11: Toxicological information

11.1 Information on toxicological effects:

Acute toxicity

Skin:	Not available
Eyes:	Not available
Respiratory:	Not available
Ingestion:	Oral: LD50-rat-130 mg/kg

Information on likely route and sign and symptoms of exposure

Ingestion:	Ulceration, nausea, vomiting, diarrhea, abdominal pain
Inhalation:	Chest pain, dyspnea, muscle spasm, bronchopneumonia
Skin contact:	Burns
Eye contact:	Conjunctivitis, corneal burns, and blindness

Chronic toxicity Damage to organs: Lungs, mucous membranes
Teratogenicity Not available
Mutagenicity Not available
Embryotoxicity Not available
Specific target organ toxicity: No data available
Carcinogenicity

IARC	Not classified as to its carcinogenicity to human.
ACGIH	No component of this product present at levels greater than or equal to 0.1% is identified as carcinogen or potential carcinogen by ACGIH.
NTP	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

SECTION 12: Ecological information

12.1 Eco-toxicity

Toxicity to fish:
LC50 - Oncorhynchus gorbuscha - 0.068 mg/L - 96h
Toxicity to daphnia and other aquatic invertebrates:
EC50 - Daphnia magna - 10.5 mg/L- 96h
Toxicity to algae:
EC50 - various algae species- 43 mg/L - 96 h
Toxicity to microorganisms:
NOEC50 - activated sludge - 510 mg/L - 3h

12.2 Persistence and degradability

No additional information available

12.3 Bio-accumulative potential

No additional information available

12.4 Mobility in soil

No additional information available

12.5 PBT and vPVB Assessment

The substance does not fulfill the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.

12.6 Other adverse effects

Environmental precautions: Avoid release to environment.

SECTION 13: Disposal consideration

13.1 Waste treatment methods

Waste disposal method: Dispose of in accordance with federal, state and local authorities.
Contaminated packaging: Dispose of container and unused content in accordance with federal, state and local requirements

SECTION 14: Transportation information

14.1 Land transport

US Department Of Transportation
Shipping Name: Ammonium Hydrogen difluoride, solution
Hazard Class: 8
UN Number: UN2817
Packaging Group: PGII
Label statement: Corrosive
Marine pollutant: NO

SECTION 15: Regulatory information

15.1 Federal regulations

TSCA (Toxic Substances Control Act Section 8(b) Inventory)	Listed

15.2 State regulations

California proposition 65	Not listed
Massachusetts Right to Know Act	Not listed
New Jersey Right to Know Act	Listed
Pennsylvania Right to Know Act	Listed
Minnesota Right to Know Act	Not listed
Florida Right to Know Act	Not listed

15.3 Federal regulations:

SARA 302	Not listed
SARA 304	Not listed
SARA 311/312	Ammonium Bifluoride (Acute and chronic hazard)
SARA 313	Not listed
WHIMIS Canada	Class E, corrosive material.

SECTION 16: Other information

Revision Date: 1/16/2015

Revision was made in sections: General revision (New SDS Format)

NFA Rating

Health	3
Flammability	0
Reactivity	1

HMIS Rating

Health	3
Flammability	0
Reactivity	1

Disclaimer: SaniGLAZE International, LLC provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This documentation is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product.

----------END OF SAFETY DATA SHEET----------

SaniGLAZE
TILE & HARD SURFACE RESTORATION

Safety Data Sheet
Revision Date: 10/12/22

1. IDENTIFICATION

Product Name:	SaniCHIPs
Product Code:	xx-xx-xxx
Product Use:	Decorative Flakes
Manufacturer :	SaniGLAZE International, LLC
Address:	4526 Lenox Ave, Jacksonville, FL 32205
Telephone Number:	800-874-5554
Emergency Telephone Number:	ChemTel Inc. (800) 255-3924

2. HAZARDS IDENTIFICATION

This product is considered non-hazardous under the OSHA Hazard Communication Standard (29CFR1910.120).

3. COMPOSITION / INFORMATION ON INGREDIENTS

Components	CAS Number	Composition
Barium Sulfate	7727-43-7	35 – 45 %
Calcium Carbonate	471-34-1 N/E	35 – 45 %
Proprietary Resins	13463-67-7	10 – 20%
Titanium Dioxide	N/A	0 – 10%
Pigment(s)		< 3 %

4. FIRST-AID MEASURES

Skin
Wash off with soap and water. If symptoms persist, call a physician.

Eyes
Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician.

Inhalation
Move to fresh air. If symptoms persist, call a physician.

Ingestion
If swallowed, seek medical advice immediately. If conscious, drink plenty of water. Do not induce vomiting without medical advice.

5. FIRE-FIGHTING MEASURES

This product is not known to present any fire hazard.

6. ACCIDENTAL RELEASE MEASURES

Sweep, shovel and/or vacuum to clean up spillage. Deposit into covered container for disposal. All material should be disposed of in accordance with local, state and federal regulations.

7. HANDLING AND STORAGE

Handling
No special safety measures required.

Storage
Store material in an air tight poly-bag in a dry environment at room temperature to avoid moisture, humidity and product degradation.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Eye Protection:	Safety glasses recommended.
Skin Protection:	Use appropriate protective clothing.
Hand Protection:	Protective leather, cloth or rubber gloves recommended.
Respiratory Protection:	Use of dust respirator recommended when exposure limits may be exceeded.
Ventilation: Hygiene Measures:	Local exhaust ventilation to collector or containment recommended. Good industrial hygiene practices required.

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point:	N/A	**Specific Gravity (H_2O = 1):**	1.6 – 3.1 Miscellaneous
Vapor Density:	Not Volatile	**Appearance:**	Colors Odorless
Coating V.O.C.:	Not Volatile	**Odor:**	N/A
Material V.O.C.:	Not Volatile	**Melting Point: Evaporation Rate:**	N/A
Solubility in Water:	Insoluble		

10. STABILITY AND REACTIVITY

Stability:	Stable, but will react violently with sulfuric acid or alkali materials. None
Incompatibility:	
Hazardous Byproducts:	None

11. TOXICOLOGICAL INFORMATION

Chronic Toxicity

This product is not listed as a carcinogen by the IARC, NTP or OSHA.
According to the current knowledge this product is harmless. Therefore, no health damaging effects are expected if safety measures are followed. No specific testing has been done on this product.

12. ECOLOGICAL INFORMATION

No ecological testing has been done on this product.

13. DISPOSAL CONSIDERATIONS

Dispose in accordance with local, state and federal regulations.

14. TRANSPORT INFORMATION

Not Regulated: Ship as Class 55

15. REGULATORY INFORMATION

U.S. Toxic Substances Control Act: Sara Title III – Sections 312 & 313: California Proposition 65:	Compliant with regulations. Not hazardous. No ingredients in this product are known to cause cancer, birth defects or reproductive hazards.
Canadian Domestic Substances List:	All ingredients in this product are listed or exempt from listing.

16. OTHER INFORMATION

Disclaimer

The information contained herein is based on the data available to us and is believed to be correct. Torginol, Inc. makes no warranty expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. Torginol, Inc. assumes no responsibility for injury, loss or damage from the use of the product described.

SaniGLAZE
TILE & HARD SURFACE RESTORATION

Safety Data Sheet Revision
Date: 05/04/2020

SECTION 1: Identification of the substance/mixture and of the company/undertaking

Product Name:	Gel Contaminant Remover
Product Code:	01-02-001/GEL
Product Use:	Wall, baseboard and tile surface cleaning and preparation
Manufacturer:	SaniGLAZE International, LLC
Address:	4526 Lenox Ave, Jacksonville, FL 32205
Phone:	800-874-5554
Emergency Telephone Number	ChemTel Inc. (800) 255-3924

SECTION 2: Hazards Identification

Classification:

Skin Irritation:	Category 2
Eye Irritation:	Category 2A

GHS Label elements, including precautionary statements:

Signal word: Warning

Pictogram:

Hazard statements:

H315	Causes skin irritation.
H319	Causes serious eye irritation.

Precautionary statements:

Prevention:

P102	Keep out of reach of children.
P103	Read label before use.
P264	Wash thoroughly after handling.
P280	Wear rubber, nitrile or neoprene protective gloves.

Response:

P301+312+330+331	IF SWALLOWED Rinse mouth. Do NOT induce vomiting.
P302+352	IF ON SKIN: Wash with plenty of water for 15 minutes.
P332+313	If skin irritation occurs: Get medical attention.
P304+340	IF INHALED Remove victim to fresh air and keep comfortable for breathing.
P305+311	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+313	If eye irritation persists. Get medical attention.

SECTION 3: Composition/Information on Ingredients

Chemical Name	CAS No.	EINECS No.	Classification		Content
			Hazard Class and Category	Hazard Code	
Sodium hydroxide	1310-73-2	215-185-5	Skin Corr: 1A Eye Irrit: 1 Aquatic Acute: 3	H314 H318 H402	< 2%
Ethanolamine	141-43-5	205-483-3	Skin Corr.: 1A	H314	<1%
Other Non-hazardous components					>90%

SECTION 4: First aid measure

Description of first aid measures:

General Advise: Consult physician. Show this safety data sheet to the doctor in attendance.

If inhaled: Move victim to fresh air and keep at rest in a position comfortable for breathing.

In case of skin contact: Wash with plenty of water for 15 minutes. If skin irritation occurs: Get medical attention.

In case of eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.

If swallowed: DO NOT induce vomiting. Do not give anything by mouth to an unconscious person. Get prompt medical attention.

SECTION 5: Fire-fighting measures

Suitable extinguishing media: Use any means suitable for extinguishing surrounding fire.

Specific hazard arising from chemical: May evolve carbon monoxide, carbon dioxide, and other unidentified fragments if this product is involved in a fire.

Advice to firefighters: Keep containers cooled with a water spray if involved in a fire.

Protective equipment: Wear self-contained breathing apparatus and full protective gear.

SECTION 6: Accidental release measures

Personal Precautions, Protective Equipment and Emergency Procedures:
Ventilate area of leak or spill. Keep unnecessary and unprotected people away from area of spill. Wear appropriate personal protective equipment and clothing during clean-up

Environmental precautions: DO NOT contaminate municipal sewers or other open bodies of water with runoff.

Methods and material for containment and clean-up: Dike the spill immediately with appropriate materials to prevent the spread of liquid. Absorb the liquid with an inert absorbent such as sand, dirt, vermiculite or "oil-dri", or use commercial absorbent pads. Transfer liquids and solid diking material to suitable containers, and dispose of in accordance with local, state, and federal regulations.

SECTION 7: Handling and storage

Conditions for safe storage, including any incompatibilities: Avoid contact with skin and eyes. Keep containers closed when not in use. Empty containers may contain residue. All containers should be disposed of in an environmentally safe manner, and in accordance with all governmental regulations. Keep this and all chemicals out of the reach of children.

SECTION 8: Exposure controls/personal protection

Airborne exposure limits: None

Engineering controls: Local exhaust is recommended when used in enclosed areas

Personal protective equipment:

Respiratory protection: Use in a well-ventilated area. If mist is being generated and exceeds the TLV, a respiratory protection program meeting OSHA 1910.134 and ANSI Z88.2 requirements must be followed.

Eye protection: Safety glasses (ANSI Z87.1) or approved equivalent as necessary to minimize eye contact hazards.

Skin protection: Neoprene or other materials may be used if there is documented evidence of compatibility.

Personal Hygiene: Use proper industrial hygiene practices to minimize hazardous exposure. Wash hands after handling this material, and before eating or smoking

SECTION 9: Physical and chemical properties

APPEARANCE: Clear, light amber liquid
ODOR: Mild "soap" odor
PHYSICAL STATE: Liquid
pH AS SUPPLIED: 12.5-13.0
pH (Other):
BOILING POINT: >212 °F
MELTING POINT: <32 °F
FREEZING POINT:
VAPOR PRESSURE (mmHg): Same as water.
VAPOR DENSITY (AIR = 1): Same as water
SPECIFIC GRAVITY (H2O = 1): 1.09
EVAPORATION RATE(H2O = 1): >1
SOLUBILITY IN WATER: Water miscible
PERCENT SOLIDS BY WEIGHT:
No data available
PERCENT VOLATILE (BY WT):
No data available

FLAMMABLE LIMITS:
No data available

FLASH POINT:
No data available

AUTOIGNITION TEMPERATURE:
No data available

SECTION 10: Stability and reactivity

Stability:	Stable
Conditions to avoid (stability):	None
Incompatibility (material to avoid):	Strong oxidizers, strong acids
Hazardous decomposition or by-products:	May evolve carbon monoxide, carbon dioxide, and other unidentified fragments if this product is involved in a fire.
Hazardous polymerization:	Will not occur

SECTION 11: Toxicological Information

Potential health effects:

Eyes:	May cause eye irritation, and possible permanent tissue damage or blindness
Skin:	Irritating. Prolonged contact may cause dermatitis, drying of skin or tissue damage.
Ingestion:	Do not take internally. May cause irritation of mouth and throat, nausea, gastrointestinal distress or diarrhea.
Inhalation:	If sprayed or misted may cause chemical pneumonitis, or irritation.
Acute health hazards:	No data available.
Chronic health hazards:	No data available.
Aggravation of pre-existing conditions:	Contact or breathing mists may exacerbate existing skin or respiratory.

Carcinogenic effects: NONE

Teratogenicity/reproductive toxicity:
NONE

Mutagenic effects: NONE

Numerical measures of toxicity: NONE

SECTION 12: Ecological information

Not available

SECTION 13: Disposal consideration

Waste disposal method: Incinerate this material and all associated wastes, or bury in an approved landfill in accordance with governmental regulations. If these options are not available, consign the recovered material to a licensed hazardous waste contractor.

SECTION 14: Transportation information

U.S. DEPARTMENT OF TRANSPORTATION

Proper shipping name: Not classified as a shipping hazard
Hazard class: None
Id number: None
Packing group:
None
Label statement: None

SECTION 15: Regulatory Information

U.S. Federal Regulations

TSCA (Toxic Substance Control Act): No ingredients are listed as TSCA approved.

CERCLA (Comprehensive Response Compensation, and Liability Act):

SARA Title iii (superfund amendments and reauthorization act): section 302: EHS reporting not required

SECTION 16: Other Information

HMIS Hazardous Classification:	**Health:**	2
	Flammability:	0
	Reactivity:	1
PREPARATION INFORMATION:	All Sections: New GHS Format	
Revision Date:	06/26/2015	

DISCLAIMER:

This information is, to the best of our knowledge and belief, accurate and reliable as of the date completed. However no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the completeness and suitability of such information for his own particular use. We do not accept liability for any loss or damage that may occur from the use of this information, nor do we offer any warranty against patent infringement.

----------**END OF SDS**----------

SECTION 1: Identification of the substance/mixture and of the company/undertaking

Product Name:	EverGlaze Pro
Product Code:	01-02-005
Product Use:	Cleaning, and washing compound
Manufacturer :	SaniGLAZE International, LLC
Address:	4526 Lenox Ave, Jacksonville, FL 32205
Phone:	800-874-5554
Emergency Telephone Number	ChemTel Inc. (800) 255-3924

SECTION 2: Hazards Identification

Classification:

Skin Irritation: Category 2
Eye Irritation: Category 2

GHS Label elements, including precautionary statements:

Signal word: Warning

Pictogram:

Hazard statements:

H316	Causes mild skin irriatation.
H320	Causes eye irriatation.

Precautionary statements:

Prevention:

P102	Keep out of reach of children.
P103	Read label before use.
P202	Do not handle until all safety precautions have been read and understood.
P260	Do not breathe mist or spray.
P262	Do not get in eyes, on skin, or on clothing.
P264	Wash thoroughly after handling.
P280	Wear rubber, nitrile or neoprene protective gloves and clothing, and safety goggles.

Response:

P302+304	IF SWALLOWED Rinse mouth. Do NOT induce vomiting.
P302+350	IF ON SKIN: Wash with plenty of soap and water.
P304+340	IF INHALED Remove victim to fresh air and Keep at rest in a position comfortable for breathing.

P305+351+338+P337+P313 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Disposal: P501: Dispose of spill clean-up and other wastes in accordance with Federal, State, and local regulations. Whatever cannot be saved by recovery should be managed in an appropriate and and approved waste facility. Although not a listed RCRA hazardous waste, this material may exhibit one or more characteristics of a hazardous waste and require appropriate analysis to determine specific disposal requirements. Processing, use or contamination of this product may change the waste management options. Empty containers of this material, properly rinsed with water, pose no disposal hazard and may be recycled. State and local disposal regulations may differ from federal disposal regulations.

SECTION 3: Composition/Information on Ingredients

Chemical Name	CAS No.	EINECS No.	Classification		Content
			Hazard Class and Category	Hazard Code	
Amphoteric Surfactant					0-5%
Sodium silicate	1344-09-8	215-687-4	Skin Corr.: 1B	H314	< 1%
Alcohols, C9-10 Ethoxylated propoxylated	68987-81-5		Eye: 1	H318	5-10%
Tetrasodium *N,N,* diacetic L-glutamic	51981-21-6				0-5%
Other Non hazardous components					75-85%

SECTION 4: First aid measure

Description of first aid measures:

General Advise: Consult physician. Show this safety data sheet to the doctor in attendance.

If inhaled: Move victim to fresh air and keep at rest in a position comfortable for breathing.

In case of skin contact: Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. If irritation persists, consult doctor/physician.

In case of eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.

If swallowed: DO NOT induce omitting. Do not give anything by mouth to an unconscious person. Get prompt medical attention.

SECTION 5: Fire-fighting measures

Suitable extinguishing media: Use form, CO_2, dry chemical, or any other means suitable for extinguishing surrounding fire.

Specific hazard arising from chemical: No information available

Advice to firefighters: Keep containers cooled with a water spray if involved in a fire.

Protective equipment: Wear self-contained breathing apparatus and full protective gear**.**

SECTION 6: Accidental release measures

Personal Precautions, Protective Equipment and Emergency Procedures:

Ventilate area of leak or spill. Keep unnecessary and unprotected people away from area of spill. Wear appropriate personal protective equipment and clothing during clean-up

Environmental precautions: DO NOT contaminate municipal sewers or other open bodies of water with runoff.

Methods and material for containment and clean-up: Dike the spill immediately with appropriate materials to prevent the spread of liquid. Absorb the liquid with an inert absorbent such as sand, dirt, vermiculite or “oil-dri”, or use commercial absorbent pads. Transfer liquids and solid diking material to suitable containers, and dispose of in accordance with local, state, and federal regulations.

SECTION 7: Handling and storage

Conditions for safe storage, including any incompatibilities: Avoid contact with skin and eyes. Keep containers closed when not in use. Empty containers may contain residue. All containers should be disposed of in an environmentally safe manner, and in accordance with all governmental regulations. Keep this and all chemicals out of the reach of children.

SECTION 8: Exposure controls/personal protection

Airborn exposure limits: No data available

Engineering controls: Local exhaust is recommended when used in enclosed areas

Personal protective equipment:

Respiratory protection: Use in a well-ventilated area. If mist is being generated and exceeds the TLV, a respiratory protection program meeting OSHA 1910.134 and ANSI Z88.2 requirements must be followed.

Eye protection: Safety glasses (ANSI Z87.1) or approved equivalent as necessary to minimize eye contact hazards.

Skin protection: Neoprene or other materials may be used if there is documented evidence of compatibility.

Personal Hygiene: Use proper industrial hygiene practices to minimize hazardous exposure. Wash hands after handling this material, and before eating or smoking

SECTION 9: Physical and chemical properties

APPEARANCE: Clear, pink
ODOR: mild soap-like
PHYSICAL STATE: Liquid
pH AS SUPPLIED: 11.0-12.0
pH (Other): 10.5-11.5
BOILING POINT: >220 °F
MELTING POINT: 0 °F
FREEZING POINT: No data available
VAPOR PRESSURE (mmHg): same as water
VAPOR DENSITY (AIR = 1): >1
SPECIFIC GRAVITY (H2O = 1): 1.000
EVAPORATION RATE(H2O = 1): >1
SOLUBILITY IN WATER: Water miscible

PERCENT SOLIDS BY WEIGHT:
No data available

PERCENT VOLATILE (BY WT):
No data available

FLAMMABLE LIMITS:
No data available

FLASH POINT:
No data available

AUTOIGNITION TEMPERATURE:
No data available

SECTION 10: Stability and reactivity

Stability:	Stable
Conditions to avoid (stability):	None
Incompatibility (material to avoid):	Strong oxidizers, strong acids
Hazardous decomposition or by-products:	May evolve carbon monoxide, carbon dioxide, hydrogen sulfide, sulfur dioxide and other unidentified fragments if this product is involved in a fire.
Hazardous polymerization:	Will not occur

SECTION 11: Toxicological information

Potential health effects:

Eyes:	May cause eye irritation.
Skin:	Prolonged contact may cause Irritation to skin.
Ingestion:	Do not take internally. Swallowing may cause irritation of mouth and throat, nausea, gastrointestinal distress or diarrhea.
Inhalation:	Effects from inhalation of mists or spray vary from mild to moderate irritation of the upper respiratory tract, depending on severity of exposure. Abusive or excessive inhalation of mists may cause irritation to the upper respiratory tract, dizziness, nausea and other central nervous system effects.
Acute health hazards:	The toxicological properties of this compound have not been fully tested. Analogous compounds are essentially non-toxic.
Chronic health hazards:	The toxicological properties of this compound have not been fully tested. Analogous compounds are essentially non-toxic.

Aggravation of pre-existing conditions: Contact or breathing mists may exacerbate existing skin or respiratory disorde

Carcinogenic effects: No data available

Teratogenicity/reproductive toxicity:
No data available

Mutagenic effects: No data available

Numerical measures of toxicity:
No data available

SECTION 12: Ecological information

Not data available

SECTION 13: Disposal consideration

Waste disposal method: Dispose of spill clean-up and other wastes in accordance with Federal, State, and local regulations. Whatever cannot be saved by recovery should be managed in an appropriate and approved waste facility. Although not a listed RCRA hazardous waste, this material may exhibit one or more characteristics of a hazardous waste and require appropriate analysis to determine specific disposal requirements. Processing, use or contamination of this product may change the waste management options. Empty containers of this material, properly rinsed with water, pose no disposal hazard and may be recycled. State and local disposal regulations may differ from federal disposal regulations.

RCRA hazard class: None

SECTION 14: Transportation information

U.S. DEPARTMENT OF TRANSPORTATION

PROPER SHIPPING NAME: Compound, Cleaning liquid (non-hazardous) HAZARD
CLASS: None
ID NUMBER: None
PACKING GROUP: None
MARINE POLLUTANT: None
LABEL STATEMENT:

SECTION 15: Regulatory information

U.S. Federal Regulations

US EPA:

Comprehensive Environmental Response Compensation and Liability

Act of 1980 (CERCLA) requires notification of the National Response Center of release quantities of Hazardous Substances is not required for this material.

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires emergency planning based on threshold planning quantities and release reporting based on reportable quantities in 40 CFR 355 (used for SARA 302, 304, 311, and 312) is not required for quantities below 250 pounds.

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires submission of annual reports of release of toxic chemicals that appear in 40 CFR 372 (for SARA 313). This material is not subject to reporting requirements.

Toxic Substances Control Act (TSCA) Status: The ingredients of this product are on the TSCA inventory.

State Right to Know

California Proposition 65:
Massachusetts: Hazardous substances and extraordinarily hazardous substances must be identified.
Pennsylvania: Hazardous substances must be identified.
California SCAQMD Rule 443.1 (VOC's): <2%
SARA 311/312: Acute: Yes Chronic: No Fire: No Pressure: No Reactivity: No

WHMIS:
This SDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by the CPR.
CANADA INVENTORY (DSL/NDSL): All components of this product are listed companies.

SECTION 16: Other information

HMIS Hazardous Classification:	**Health:**	1
	Flammability:	0
	Reactivity:	0

PREPARATION INFORMATION: All Sections: New GHS Format
Revision Date: 06/26/2015

ISCLAIMER: This information is, to the best of our knowledge and belief, accurate and reliable as of the date completed. However no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the completeness and suitability of such information for his own particular use. We do not accept liability for any loss or damage that may occur from the use of this information, nor do we offer any warranty against patent infringement.

----------END OF SDS----------

SECTION 1: Identification of the substance/mixture and of the company/undertaking

Product Name:	EverGlaze Daily
Product Code:	01-02-006
Product Use:	Universal Cleaner
Manufacturer :	SaniGLAZE International, LLC
Address:	4526 Lenox Ave, Jacksonville, FL 32205
Phone:	800-874-5554
Emergency Telephone Number	ChemTel Inc. (800) 255-3924

SECTION 2: Hazards Identification

Classification:

Skin Irritation: Category 2
Eye Irritation: Category 2

GHS Label elements, including precautionary statements:

Signal word: Warning

Pictogram:

Hazard statements:

H316	Causes mild skin irriatation.
H320	Causes eye irriatation.

Precautionary statements:

Prevention:

P102	Keep out of reach of children.
P103	Read label before use.
P202	Do not handle until all safety precautions have been read and understood.
P260	Do not breathe mist or spray.
P262	Do not get in eyes, on skin, or on clothing.
P264	Wash thoroughly after handling.
P280	Wear rubber, nitrile or neoprene protective gloves and clothing, and safety goggles.

Response:

P302+304	IF SWALLOWED Rinse mouth. Do NOT induce vomiting.
P302+350	IF ON SKIN: Wash with plenty of soap and water.
P304+340	IF INHALED Remove victim to fresh air and Keep at rest in a position comfortable for breathing.

P305+351+338+P337+P313 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Disposal: P501: Dispose of spill clean-up and other wastes in accordance with Federal, State, and local regulations. Whatever cannot be saved by recovery should be managed in an appropriate and and approved waste facility. Although not a listed RCRA hazardous waste, this material may exhibit one or more characteristics of a hazardous waste and require appropriate analysis to determine specific disposal requirements. Processing, use or contamination of this product may change the waste management options. Empty containers of this material, properly rinsed with water, pose no disposal hazard and may be recycled. State and local disposal regulations may differ from federal disposal regulations.

SECTION 3: Composition/Information on Ingredients

Chemical Name	CAS No.	EINECS No.	Classification		Content
			Hazard Class and Category	Hazard Code	
Amphoteric Surfactant					0-5%
Sodium silicate	1344-09-8	215-687-4	Skin Corr.: 1B	H314	< 1%
Alcohols, C9-10 Ethoxylated propoxylated	68987-81-5		Eye: 1	H318	5-10%
Tetrasodium *N,N,* diacetic L-glutamic	51981-21-6				0-5%
Other Non hazardous components					75-85%

SECTION 4: First aid measure

Description of first aid measures:

General Advise: Consult physician. Show this safety data sheet to the doctor in attendance.

If inhaled: Move victim to fresh air and keep at rest in a position comfortable for breathing.

In case of skin contact: Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. If irritation persists, consult doctor/physician.

In case of eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.

If swallowed: DO NOT induce omitting. Do not give anything by mouth to an unconscious person. Get prompt medical attention.

SECTION 5: Fire-fighting measures

Suitable extinguishing media: Use form, CO_2, dry chemical, or any other means suitable for extinguishing surrounding fire.

Specific hazard arising from chemical: No information available

Advice to firefighters: Keep containers cooled with a water spray if involved in a fire.

Protective equipment: Wear self-contained breathing apparatus and full protective gear**.**

SECTION 6: Accidental release measures

Personal Precautions, Protective Equipment and Emergency Procedures:

Ventilate area of leak or spill. Keep unnecessary and unprotected people away from area of spill. Wear appropriate personal protective equipment and clothing during clean-up

Environmental precautions: DO NOT contaminate municipal sewers or other open bodies of water with runoff.

Methods and material for containment and clean-up: Dike the spill immediately with appropriate materials to prevent the spread of liquid. Absorb the liquid with an inert absorbent such as sand, dirt, vermiculite or “oil-dri”, or use commercial absorbent pads. Transfer liquids and solid diking material to suitable containers, and dispose of in accordance with local, state, and federal regulations.

SECTION 7: Handling and storage

Conditions for safe storage, including any incompatibilities: Avoid contact with skin and eyes. Keep containers closed when not in use. Empty containers may contain residue. All containers should be disposed of in an environmentally safe manner, and in accordance with all governmental regulations. Keep this and all chemicals out of the reach of children.

SECTION 8: Exposure controls/personal protection

Airborn exposure limits: No data available

Engineering controls: Local exhaust is recommended when used in enclosed areas

Personal protective equipment:

Respiratory protection: Use in a well-ventilated area. If mist is being generated and exceeds the TLV, a respiratory protection program meeting OSHA 1910.134 and ANSI Z88.2 requirements must be followed.

Eye protection: Safety glasses (ANSI Z87.1) or approved equivalent as necessary to minimize eye contact hazards.

Skin protection: Neoprene or other materials may be used if there is documented evidence of compatibility.

Personal Hygiene: Use proper industrial hygiene practices to minimize hazardous exposure. Wash hands after handling this material, and before eating or smoking

SECTION 9: Physical and chemical properties

APPEARANCE: Clear, green
ODOR: mild soap-like
PHYSICAL STATE: Liquid
pH AS SUPPLIED: 10.0-11.0
pH (Other):
BOILING POINT: >220 °F
MELTING POINT: 0 °F
FREEZING POINT: No data available
VAPOR PRESSURE (mmHg): same as water
VAPOR DENSITY (AIR = 1): >1
SPECIFIC GRAVITY (H2O = 1): 1.02
EVAPORATION RATE(H2O = 1): >1
SOLUBILITY IN WATER: Water miscible

PERCENT SOLIDS BY WEIGHT:
No data available
PERCENT VOLATILE (BY WT):
No data available

FLAMMABLE LIMITS:
No data available

FLASH POINT:
No data available

AUTOIGNITION TEMPERATURE:
No data available

SECTION 10: Stability and reactivity

Stability:	Stable
Conditions to avoid (stability):	None
Incompatibility (material to avoid):	Strong oxidizers, strong acids
Hazardous decomposition or by-products:	May evolve carbon monoxide, carbon dioxide, hydrogen sulfide, sulfur dioxide and other unidentified fragments if this product is involved in a fire.
Hazardous polymerization:	Will not occur

SECTION 11: Toxicological information

Potential health effects:

Eyes:	May cause eye irritation.
Skin:	Prolonged contact may cause Irritation to skin.
Ingestion:	Do not take internally. Swallowing may cause irritation of mouth and throat, nausea, gastrointestinal distress or diarrhea.
Inhalation:	Effects from inhalation of mists or spray vary from mild to moderate irritation of the upper respiratory tract, depending on severity of exposure. Abusive or excessive inhalation of mists may cause irritation to the upper respiratory tract, dizziness, nausea and other central nervous system effects.
Acute health hazards:	The toxicological properties of this compound have not been fully tested. Analogous compounds are essentially non-toxic.
Chronic health hazards:	The toxicological properties of this compound have not been fully tested. Analogous compounds are essentially non-toxic.

Aggravation of pre-existing conditions: Contact or breathing mists may exacerbate existing skin or respiratory disorde

Carcinogenic effects: No data available

Teratogenicity/reproductive toxicity:
No data available

Mutagenic effects: No data available

Numerical measures of toxicity:
No data available

SECTION 12: Ecological information

Not data available

SECTION 13: Disposal consideration

Waste disposal method: Dispose of spill clean-up and other wastes in accordance with Federal, State, and local regulations. Whatever cannot be saved by recovery should be managed in an appropriate and approved waste facility. Although not a listed RCRA hazardous waste, this material may exhibit one or more characteristics of a hazardous waste and require appropriate analysis to determine specific disposal requirements. Processing, use or contamination of this product may change the waste management options. Empty containers of this material, properly rinsed with water, pose no disposal hazard and may be recycled. State and local disposal regulations may differ from federal disposal regulations.

RCRA hazard class: None

SECTION 14: Transportation information

U.S. DEPARTMENT OF TRANSPORTATION

PROPER SHIPPING NAME: Compound, Cleaning liquid (non-hazardous)
HAZARD CLASS: None
ID NUMBER: None
PACKING GROUP: None
MARINE POLLUTANT: None
LABEL STATEMENT:

SECTION 15: Regulatory information

U.S. Federal Regulations

US EPA:

Comprehensive Environmental Response Compensation and Liability

Act of 1980 (CERCLA) requires notification of the National Response Center of release quantities of Hazardous Substances is not required for this material.

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires emergency planning based on threshold planning quantities and release reporting based on reportable quantities in 40 CFR 355 (used for SARA 302, 304, 311, and 312) is not required for quantities below 250 pounds.

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires submission of annual reports of release of toxic chemicals that appear in 40 CFR 372 (for SARA 313). This material is not subject to reporting requirements.

Toxic Substances Control Act (TSCA) Status: The ingredients of this product are on the TSCA inventory.

State Right to Know

California Proposition 65:
Massachusetts: Hazardous substances and extraordinarily hazardous substances must be identified.
Pennsylvania: Hazardous substances must be identified.
California SCAQMD Rule 443.1 (VOC's): <2%
SARA 311/312: Acute: Yes Chronic: No Fire: No Pressure: No Reactivity: No

WHMIS:
This SDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by the CPR.
CANADA INVENTORY (DSL/NDSL): All components of this product are listed companies.

SECTION 16: Other information

HMIS Hazardous Classification:	**Health:**	1
	Flammability:	0
	Reactivity:	0

PREPARATION INFORMATION:	All Sections: New GHS Format
Revision Date:	06/26/2015

ISCLAIMER: This information is, to the best of our knowledge and belief, accurate and reliable as of the date completed. However no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the completeness and suitability of such information for his own particular use. We do not accept liability for any loss or damage that may occur from the use of this information, nor do we offer any warranty against patent infringement.

----------END OF SDS----------

SECTION 1: Identification of the substance/mixture and of the company/undertaking

Product Name:	Eradicate Extra Strength
Product Code:	01-02-013
Product Use:	Tile N Grout Cleaning and Preparation
Manufacturer :	SaniGLAZE International, LLC
Address:	4526 Lenox Ave, Jacksonville, FL 32205
Phone:	800-874-5554
Emergency Telephone Number	ChemTel Inc. (800) 255-3924

SECTION 2: Hazards Identification

Classification:

Skin Irritation: Category 1B
Eye Irritation: Category 1

GHS Label elements, including precautionary statements:

Signal word: Danger

Pictogram:

Hazard statements:

H314	Causes severe skin burns and eye damage.
H315	Causes skin irriatation.
H319	Causes serious eye irriatation.

Precautionary statements:

Prevention:

P102	Keep out of reach of children.
P103	Read label before use.
P202	Do not handle until all safety precautions have been read and understood.
P260	Do not breathe mist or spray.
P262	Do not get in eyes, on skin, or on clothing.
P264	Wash thoroughly after handling.
P280	Wear rubber, nitrile or neoprene protective gloves and clothing, and safety goggles.

Response:

P301+312+330+331	IF SWALLOWED Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.
P301+361+353	IF ON SKIN (or hair) Remove/Take off Immediately all contaminated clothing. Rinse SKIN with water/shower for 15 minutes or until skin no longer feels slick. Immediately call a POISON CENTER or doctor/physician.
P304+340	IF INHALED Remove victim to fresh air and Keep at rest in a position comfortable for breathing.
P305+311+351+P336	IF IN EYES: Flush eyes with running water for at least 15 minutes while lifting lids periodically. Immediately call a POISON CENTER or doctor/physician.

Storage: P405 locked up

Disposal: P501: Treat empty containers as hazardous. Dispose of spill clean-up and other wastes in accordance with Federal, State, and local regulations. Consign any recovered product not suitable for reuse or recycling to an appropriate and approved waste treatment or disposal facility. Although not a listed RCRA hazardous waste, this material may exhibit one or more characteristics of a hazardous waste and require appropriate analysis to determine specific disposal requirements. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

SECTION 3: Composition/Information on Ingredients

Chemical Name	CAS No.	EINECS No.	Classification		Content
			Hazard Class and Category	Hazard Code	
Sodium hydroxide	1310-73-2	215-185-5	Skin Corr: 1A Eye Irrit: 1 Aquatic Acute: 3	H314 H318 H402	< 5%
Ethanolamine	141-43-5	205-483-3	Skin Corr.: 1A	H314	< 3%
2-Butyxethanol	111-76-2	203-905-0	Skin Corr.: 2 Eye: 2A	H315 H319	< 25%
Other Non hazardous components					>50%

SECTION 4: First aid measure

Description of first aid measures:

General Advise: Consult physician. Show this safety data sheet to the doctor in attendance.

If inhaled: Move victim to fresh air and keep at rest in a position comfortable for breathing.

In case of skin contact: Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. If irritation persists, consult doctor/physician.

In case of eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.

If swallowed: DO NOT induce omitting. Do not give anything by mouth to an unconscious person. Get prompt medical attention.

Most important symptoms and effects, both acute and delayed: Caustic effect on skin, mucous membranes, cramps, gastric or intestinal disorders, coughing and nausea.

SECTION 5: Fire-fighting measures

Suitable extinguishing media: Use any means suitable for extinguishing surrounding fire.

Specific hazard arising from chemical: May evolve carbon monoxide, carbon dioxide, and other unidentified fragments if this product is involved in a fire.

Advice to firefighters: Keep containers cooled with a water spray if involved in a fire. Liquid, vapors and mists are corrosive.

Protective equipment: Wear self-contained breathing apparatus and full protective gear

SECTION 6: Accidental release measures

Personal Precautions, Protective Equipment and Emergency Procedures:

Ventilate area of leak or spill. Keep unnecessary and unprotected people away from area of spill. Wear appropriate personal protective equipment and clothing during clean-up

Environmental precautions: DO NOT contaminate municipal sewers or other open bodies of water with runoff.

Methods and material for containment and clean-up: Dike the spill immediately with appropriate materials to prevent the spread of liquid. Absorb the liquid with an inert absorbent such as sand, dirt, vermiculite or "oil-dri", or use commercial absorbent pads. Transfer liquids and solid diking material to suitable containers, and dispose of in accordance with local, state, and federal regulations.

SECTION 7: Handling and storage

Conditions for safe storage, including any incompatibilities: Avoid contact with skin and eyes. Keep containers closed when not in use. Empty containers may contain residue. All containers should be disposed of in an environmentally safe manner, and in accordance with all governmental regulations. Keep this and all chemicals out of the reach of children.

SECTION 8: Exposure controls/personal protection

Airborn exposure limits: None

Engineering controls: Local exhaust is recommended when used in enclosed areas

Personal protective equipment:

Respiratory protection: Use in a well-ventilated area. If mist is being generated and exceeds the TLV, a respiratory protection program meeting OSHA 1910.134 and ANSI Z88.2 requirements must be followed.

Eye protection: Safety glasses (ANSI Z87.1) or approved equivalent as necessary to minimize eye contact hazards.

Skin protection: Neoprene or other materials may be used if there is documented evidence of compatibility.

Personal Hygiene: Use proper industrial hygiene practices to minimize hazardous exposure. Wash hands after handling this material, and before eating or smoking

SECTION 9: Physical and chemical properties

APPEARANCE: Clear, liquid
ODOR: Glycol ether
PHYSICAL STATE: Liquid
pH AS SUPPLIED: >13.5
pH (Other):
BOILING POINT: >212 °F
MELTING POINT: <32 °F
FREEZING POINT: No data available
VAPOR PRESSURE (mmHg): 19
VAPOR DENSITY (AIR = 1): Same as water
SPECIFIC GRAVITY (H2O = 1): 0.995
EVAPORATION RATE(H2O = 1): >1
SOLUBILITY IN WATER: Water miscible

PERCENT SOLIDS BY WEIGHT:
No data available
PERCENT VOLATILE (BY WT):
No data available

FLAMMABLE LIMITS:
No data available

FLASH POINT:
No data available

AUTOIGNITION TEMPERATURE:
No data available

SECTION 10: Stability and reactivity

Stability:	Stable
Conditions to avoid (stability):	None
Incompatibility (material to avoid):	Strong oxidizers, strong acids
Hazardous decomposition or by-products:	May evolve carbon monoxide, carbon dioxide, and other unidentified fragments if this product is involved in a fire.
Hazardous polymerization:	Will not occur

SECTION 11: Toxicological information

Potential health effects:

Eyes:	May cause eye irritation, chemical burns and possible permanent tissue damage or blindness
Skin:	Irritating and corrosive. Prolonged contact may cause dermatitis, drying of skin or tissue damage.
Ingestion:	Do not take internally. Corrosive and toxic if ingested. May cause burning, irritation of mouth and throat, nausea, gastrointestinal distress or diarrhea.
Inhalation:	If sprayed or misted may cause chemical pneumonitis, irritation, or chemical burns**.**

Acute health hazards: Liquid is corrosive to tissue.

Chronic health hazards: Liquid is corrosive to tissue.

Aggravation of pre-existing conditions: Contact or breathing mists may exacerbate existing skin or respiratory.

Carcinogenic effects: No data available

Teratogenicity/reproductive toxicity:
No data available

Mutagenic effects: No data available

Numerical measures of toxicity:
No data available

SECTION 12: Ecological information

Not data available

SECTION 13: Disposal consideration

Waste disposal method: Incinerate this material and all associated wastes, or bury in an approved landfill in accordance with governmental regulations. If these options are not available, consign the recovered material to a licensed hazardous waste contractor.

RCRA hazard class: Corrosive (concentrated, undiluted form)

SECTION 14: Transportation information

U.S. DEPARTMENT OF TRANSPORTATION

Proper shipping name: Corrosive liquid, basic organic, N.O.S (Contains Sodium hydroxide and ethanolamine), 8, PG III
Hazard class: 8
Id number: UN 3266
Packing group: III
Label statement: Corrosive

SECTION 15: Regulatory information

U.S. Federal Regulations
TSCA (Toxic Substance Control Act): All ingredients are TSCA approved.
CERCLA (Comprehensive Response Compensation, and Liability Act):
SARA Title III (superfund amendments and reauthorization act): section 302: EHS reporting not required

SECTION 16: Other information

HMIS Hazardous Classification:	**Health:**	2
	Flammability:	0
	Reactivity:	1

PREPARATION INFORMATION: All Sections: New GHS Format
Revision Date: 06/26/2015

DISCLAIMER: This information is, to the best of our knowledge and belief, accurate and reliable as of the date completed. However no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the completeness and suitability of such information for his own particular use. We do not accept liability for any loss or damage that may occur from the use of this information, nor do we offer any warranty against patent infringement.

----------END OF SDS----------

SECTION 1: Identification of the substance/mixture and of the company/undertaking

Product Name:	Contaminant Remover
Product Code:	01-01-001
Product Use:	Tile N Grout Cleaning and Preparation
Manufacturer :	SaniGLAZE International, LLC
Address:	4526 Lenox Ave, Jacksonville, FL 32205
Phone:	800-874-5554
Emergency Telephone Number	ChemTel Inc. (800) 255-3924

SECTION 2: Hazards Identification

Classification:

Skin Irritation: Category 1B
Eye Irritation: Category 1

GHS Label elements, including precautionary statements:

Signal word: Danger

Pictogram:

Hazard statements:

H314	Causes severe skin burns and eye damage.
H315	Causes skin irriatation.
H319	Causes serious eye irriatation.

Precautionary statements:

Prevention:

P102	Keep out of reach of children.
P103	Read label before use.
P202	Do not handle until all safety precautions have been read and understood.
P260	Do not breathe mist or spray.
P262	Do not get in eyes, on skin, or on clothing.
P264	Wash thoroughly after handling.
P280	Wear rubber, nitrile or neoprene protective gloves and clothing, and safety goggles.

Response:

P301+312+330+331	IF SWALLOWED Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.
P301+361+353	IF ON SKIN (or hair) Remove/Take off Immediately all contaminated clothing. Rinse SKIN with water/shower for 15 minutes or until skin no longer feels slick. Immediately call a POISON CENTER or doctor/physician.
P304+340	IF INHALED Remove victim to fresh air and Keep at rest in a position comfortable for breathing.
P305+311+351+P336	IF IN EYES: Flush eyes with running water for at least 15 minutes while lifting lids periodically. Immediately call a POISON CENTER or doctor/physician.

Storage: P405 locked up

Disposal: P501: Treat empty containers as hazardous. Dispose of spill clean-up and other wastes in accordance with Federal, State, and local regulations. Consign any recovered product not suitable for reuse or recycling to an appropriate and approved waste treatment or disposal facility. Although not a listed RCRA hazardous waste, this material may exhibit one or more characteristics of a hazardous waste and require appropriate analysis to determine specific disposal requirements. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

SECTION 3: Composition/Information on Ingredients

Chemical Name	CAS No.	EINECS No.	Classification		Content
			Hazard Class and Category	Hazard Code	
Sodium hydroxide	1310-73-2	215-185-5	Skin Corr: 1A Eye Irrit: 1 Aquatic Acute: 3	H314 H318 H402	< 7%
Ethanolamine	141-43-5	205-483-3	Skin Corr.: 1A	H314	< 5%
Other Non hazardous components					>50%

SECTION 4: First aid measure

Description of first aid measures:

General Advise: Consult physician. Show this safety data sheet to the doctor in attendance.

If inhaled: Move victim to fresh air and keep at rest in a position comfortable for breathing.

In case of skin contact: Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. If irritation persists, consult doctor/physician.

In case of eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.

If swallowed: DO NOT induce omitting. Do not give anything by mouth to an unconscious person. Get prompt medical attention.

Most important symptoms and effects, both acute and delayed: Caustic effect on skin, mucous membranes, cramps, gastric or intestinal disorders, coughing and nausea.

SECTION 5: Fire-fighting measures

Suitable extinguishing media: Use any means suitable for extinguishing surrounding fire.

Specific hazard arising from chemical: May evolve carbon monoxide, carbon dioxide, and other unidentified fragments if this product is involved in a fire.

Advice to firefighters: Keep containers cooled with a water spray if involved in a fire. Liquid, vapors and mists are corrosive.

Protective equipment: Wear self-contained breathing apparatus and full protective gear

SECTION 6: Accidental release measures

Personal Precautions, Protective Equipment and Emergency Procedures:
Ventilate area of leak or spill. Keep unnecessary and unprotected people away from area of spill. Wear appropriate personal protective equipment and clothing during clean-up

Environmental precautions: DO NOT contaminate municipal sewers or other open bodies of water with runoff.

Methods and material for containment and clean-up: Dike the spill immediately with appropriate materials to prevent the spread of liquid. Absorb the liquid with an inert absorbent such as sand, dirt, vermiculite or "oil-dri", or use commercial absorbent pads. Transfer liquids and solid diking material to suitable containers, and dispose of in accordance with local, state, and federal regulations.

SECTION 7: Handling and storage

Conditions for safe storage, including any incompatibilities: Avoid contact with skin and eyes. Keep containers closed when not in use. Empty containers may contain residue. All containers should be disposed of in an environmentally safe manner, and in accordance with all governmental regulations. Keep this and all chemicals out of the reach of children.

SECTION 8: Exposure controls/personal protection

Airborn exposure limits: None

Engineering controls: Local exhaust is recommended when used in enclosed areas

Personal protective equipment:

Respiratory protection: Use in a well-ventilated area. If mist is being generated and exceeds the TLV, a respiratory protection program meeting OSHA 1910.134 and ANSI Z88.2 requirements must be followed.

Eye protection: Safety glasses (ANSI Z87.1) or approved equivalent as necessary to minimize eye contact hazards.

Skin protection: Neoprene or other materials may be used if there is documented evidence of compatibility.

Personal Hygiene: Use proper industrial hygiene practices to minimize hazardous exposure. Wash hands after handling this material, and before eating or smoking

SECTION 9: Physical and chemical properties

APPEARANCE: Clear, light amber liquid
ODOR: Mild "soap" odor
PHYSICAL STATE: Liquid
pH AS SUPPLIED: 12.5-13.0
pH (Other):
BOILING POINT: >212 °F
MELTING POINT: <32 °F
FREEZING POINT:
VAPOR PRESSURE (mmHg): Same as water.
VAPOR DENSITY (AIR = 1): Same as water
SPECIFIC GRAVITY (H2O = 1): 1.09
EVAPORATION RATE(H2O = 1): >1
SOLUBILITY IN WATER: Water miscible
PERCENT SOLIDS BY WEIGHT:
No data available
PERCENT VOLATILE (BY WT):
No data available

FLAMMABLE LIMITS:
No data available

FLASH POINT:
No data available

AUTOIGNITION TEMPERATURE:
No data available

SECTION 10: Stability and reactivity

Stability:	Stable
Conditions to avoid (stability):	None
Incompatibility (material to avoid):	Strong oxidizers, strong acids
Hazardous decomposition or by-products:	May evolve carbon monoxide, carbon dioxide, and other unidentified fragments if this product is involved in a fire.
Hazardous polymerization:	Will not occur

SECTION 11: Toxicological information

Potential health effects:

Eyes:	May cause eye irritation, chemical burns and possible permanent tissue damage or blindness
Skin:	Irritating and corrosive. Prolonged contact may cause dermatitis, drying of skin or tissue damage.
Ingestion:	Do not take internally. Corrosive and toxic if ingested. May cause burning, irritation of mouth and throat, nausea, gastrointestinal distress or diarrhea.
Inhalation:	If sprayed or misted may cause chemical pneumonitis, irritation, or chemical burns**.**

Acute health hazards: Liquid is corrosive to tissue.

Chronic health hazards: Liquid is corrosive to tissue.

Aggravation of pre-existing conditions: Contact or breathing mists may exacerbate existing skin or respiratory.

Carcinogenic effects: NONE

Teratogenicity/reproductive toxicity:
NONE

Mutagenic effects: NONE

Numerical measures of toxicity: NONE

SECTION 12: Ecological information

Not available

SECTION 13: Disposal consideration

Waste disposal method: Incinerate this material and all associated wastes, or bury in an approved landfill in accordance with governmental regulations. If these options are not available, consign the recovered material to a licensed hazardous waste contractor.

RCRA hazard class: Corrosive (concentrated, undiluted form)

SECTION 14: Transportation information

U.S. DEPARTMENT OF TRANSPORTATION

Proper shipping name: Corrosive liquid, basic organic, N.O.S (Contains Sodium hydroxide and ethanolamine), 8, PG III
Hazard class: 8
Id number: UN 3266
Packing group: III
Label statement: Corrosive

SECTION 15: Regulatory information

U.S. Federal Regulations
TSCA (Toxic Substance Control Act): All ingredients are TSCA approved.
CERCLA (Comprehensive Response Compensation, and Liability Act):
SARA Title III (superfund amendments and reauthorization act): section 302: EHS reporting not required

SECTION 16: Other information

HMIS Hazardous Classification:	**Health:**	2
	Flammability:	0
	Reactivity:	1

PREPARATION INFORMATION: All Sections: New GHS Format
Revision Date: 06/26/2015

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----------END OF SDS----------

SECTION 1: Identification of the substance/mixture and of the company/undertaking

Product Name:	Clean Up Solution
Product Code:	01-01-004
Product Use:	Tile surface cleaning and preparation
Manufacturer :	SaniGLAZE International, LLC
Address:	4526 Lenox Ave, Jacksonville, FL 32205
Phone:	800-874-5554
Emergency Telephone Number	ChemTel Inc. (800) 255-3924

SECTION 2: Hazards Identification

Classification:

Skin Irritation: Category 2
Eye Irritation: Category 2

GHS Label elements, including precautionary statements:

Signal word: Warning

Pictogram:

Hazard statements:

H316	Causes mild skin irritatiion.
H320	Causes eye irritation.
H315	Causes skin irriatation.

.

Precautionary statements:

Prevention:

P102	Keep out of reach of children.
P103	Read label before use.
P202	Do not handle until all safety precautions have been read and understood.
P260	Do not breathe mist or spray.
P262	Do not get in eyes, on skin, or on clothing.
P264	Wash thoroughly after handling.
P280	Wear rubber, nitrile or neoprene protective gloves and clothing, and safety goggles.

Response:

P302+304	IF SWALLOWED Rinse mouth.
P302+350	IF ON SKIN Rinse SKIN with water/shower for 15 minutes or until skin no longer feels slick.
P304+340	IF INHALED Remove victim to fresh air and Keep at rest in a position comfortable for breathing.

P305+351+338+P337+P313 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Disposal: P501: Incinerate this material and all associated wastes, or bury in an approved landfill in accordance with governmental regulations. If these options are not available, consign the recovered material to a licensed hazardous waste contractor.

SECTION 3: Composition/Information on Ingredients

Chemical Name	CAS No.	EINECS No.	Classification		Content
			Hazard Class and Category	Hazard Code	
Isopropanol	67-63-0	200-661-7	Flamm.: 2 Eye irri: 2A	H225 H319	< 12%
Other Non hazardous components					>80%

SECTION 4: First aid measure

Description of first aid measures:

General Advise: Consult physician. Show this safety data sheet to the doctor in attendance.

If inhaled: Move victim to fresh air and keep at rest in a position comfortable for breathing.

In case of skin contact: Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. If irritation persists, consult doctor/physician.

In case of eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.

If swallowed: DO NOT induce omitting. Do not give anything by mouth to an unconscious person. Get prompt medical attention.

SECTION 5: Fire-fighting measures

Suitable extinguishing media: Use any means suitable for extinguishing surrounding fire.

Specific hazard arising from chemical: May evolve carbon monoxide, carbon dioxide, and other unidentified fragments if this product is involved in a fire.

Advice to firefighters: Keep containers cooled with a water spray if involved in a fire. Liquid, vapors and mists are corrosive.

Protective equipment: Wear self-contained breathing apparatus and full protective gear

SECTION 6: Accidental release measures

Personal Precautions, Protective Equipment and Emergency Procedures:

Ventilate area of leak or spill. Keep unnecessary and unprotected people away from area of spill. Wear appropriate personal protective equipment and clothing during clean-up

Environmental precautions: DO NOT contaminate municipal sewers or other open bodies of water with runoff.

Methods and material for containment and clean-up: Dike the spill immediately with appropriate materials to prevent the spread of liquid. Absorb the liquid with an inert absorbent such as sand, dirt, vermiculite or “oil-dri”, or use commercial absorbent pads. Transfer liquids and solid diking material to suitable containers, and dispose of in accordance with local, state, and federal regulations.

SECTION 7: Handling and storage

Conditions for safe storage, including any incompatibilities: Avoid contact with skin and eyes. Keep containers closed when not in use. Empty containers may contain residue. All containers should be disposed of in an environmentally safe manner, and in accordance with all governmental regulations. Keep this and all chemicals out of the reach of children.

SECTION 8: Exposure controls/personal protection

Airborn exposure limits: Isopropanol: OSHA PEL-TWA: 980 mg/m^3 NIOSH REL - TWA: 980 mg/m^3

Engineering controls: Local exhaust is recommended when used in enclosed areas

Personal protective equipment:

Respiratory protection: Use in a well-ventilated area. If mist is being generated and exceeds the TLV, a respiratory protection program meeting OSHA 1910.134 and ANSI Z88.2 requirements must be followed.

Eye protection: Safety glasses (ANSI Z87.1) or approved equivalent as necessary to minimize eye contact hazards.

Skin protection: Neoprene or other materials may be used if there is documented evidence of compatibility.

Personal Hygiene: Use proper industrial hygiene practices to minimize hazardous exposure. Wash hands after handling this material, and before eating or smoking

SECTION 9: Physical and chemical properties

APPEARANCE: Slightly hazy liquid

ODOR: Faint banana-like

PHYSICAL STATE: Liquid

pH AS SUPPLIED: 8.7-9.1

pH (Other):

BOILING POINT: >218 °F

MELTING POINT: <32 °F

FREEZING POINT:

VAPOR PRESSURE (mmHg): Same as water.

VAPOR DENSITY (AIR = 1): Same as water

SPECIFIC GRAVITY (H2O = 1): 0.97

EVAPORATION RATE(H2O = 1): >1

SOLUBILITY IN WATER: Water miscible

PERCENT SOLIDS BY WEIGHT:
No data available

PERCENT VOLATILE (BY WT):
No data available

FLAMMABLE LIMITS:
No data available

FLASH POINT:
No data available

AUTOIGNITION TEMPERATURE:
No data available

SECTION 10: Stability and reactivity

Stability:	Stable
Conditions to avoid (stability):	None
Incompatibility (material to avoid):	Strong oxidizers, strong acids
Hazardous decomposition or by-products:	May evolve carbon monoxide, carbon dioxide, and other unidentified fragments if this product is involved in a fire.
Hazardous polymerization:	Will not occur

SECTION 11: Toxicological information

Potential health effects:

Eyes:	May cause eye irritation
Skin:	Irritating
Ingestion:	Do not take internally. May cause irritation of mouth and throat, nausea, gastrointestinal distress or diarrhea.
Inhalation:	If sprayed or misted may cause chemical irritation**.**

Acute health hazards: The toxicological properties of this compound have not been fully tested. Analogous compounds are essentially non-toxic.

Chronic health hazards: The toxicological properties of this compound have not been fully tested. Analogous compounds are essentially non-toxic.

Aggravation of pre-existing conditions: None

Carcinogenic effects: NONE

Teratogenicity/reproductive toxicity: NONE

Mutagenic effects: NONE

Numerical measures of toxicity: NONE

SECTION 12: Ecological information

Not available

SECTION 13: Disposal consideration

Waste disposal method: Incinerate this material and all associated wastes, or bury in an approved landfill in accordance with governmental regulations. If these options are not available, consign the recovered material to a licensed hazardous waste contractor.

RCRA hazard class: None

SECTION 14: Transportation information

U.S. DEPARTMENT OF TRANSPORTATION

Proper shipping name: Compound, Cleaning liquid (non-hazardous)
Hazard class: None
ID number: None
Packing group: None

SECTION 15: Regulatory information

U.S. FEDERAL REGULATIONS
TSCA (TOXIC SUBSTANCE CONTROL ACT): All ingredients are TSCA approved.
CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT):
SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):
Section 302: EHS reporting not required
Section 304: Hazardous releases reporting not required
Section 311: Reporting is required if inventory exceeds the threshold planning quantity
Section 312: Inventory data reporting is not required
Section 313: Emissions and release reporting may be required for users of this product within the manufacturing sector. This does not apply to service companies

SECTION 16: Other information

HMIS Hazardous Classification:

Health:	1
Flammability:	0
Reactivity:	0

PREPARATION INFORMATION: All Sections: New GHS Format
Revision Date: 06/26/2015

DISCLAIMER:

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----------END OF SDS----------

SaniGLAZE®
NEW TILE & GROUT WITHOUT REPLACEMENT

SAFETY DATA SHEET

Conforms to 1910.1200
Issued: Jan. 15, 2018
Supersedes: April 27, 2015

BREAKDOWN DEGREASER

1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: BREAKdown Degreaser **Product Number:** 01-02-026

Recommended Use: Industrial strength degreaser
Concentrate - dilute prior to use.
Product intended for commercial and industrial use only.

Uses Advised Against: Other than per labelled instructions

Company Identification:
SaniGLAZE International LLC
4526 Lenox Avenue
Jacksonville, FL 32205
Telephone: 800-874-5554
FAX: 904-366-2690

EMERGENCY RESPONSE NUMBER 800-255-3924 - CHEM TEL (Chemical Emergencies Only)

2: HAZARDS IDENTIFICATION

Classification: Skin Corrosion/Irritation - Category 1
Eye Damage/Irritation - Category 1

Signal Word: DANGER

Pictogram:

Hazard Statements:
Causes severe skin burns and eye damage.
Causes serious eye damage.

Precautionary Statements:
Do not breathe mist/vapours/spray.
Wash thoroughly after handling.
Wear protective gloves and eye protection.
IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Immediately call a POISON CENTER or doctor/physician if you feel unwell.
Wash contaminated clothing before reuse.
Store locked up.
Dispose of contents/container according to local, regional and national regulations.

Other Hazards:
None known

Supplemental Information:
None known

3: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS Number	Weight % *
2- butoxyethanol	111-76-2	1 - 5
sodium carbonate	497-19-8	1 - 5
sodium metasilicate	6834-92-0	1 - 5

* Exact concentration of the ingredients has been withheld as a trade secret.

4: FIRST AID MEASURES

DECRIPTION OF FIRST AID MEASURES

Eye Contact: In case of contact, immediately flush eye with plenty of water for at least 15 minutes. (If easy to do, remove contact lenses, if worn). Seek medical attention.
Skin Contact: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Seek medical attention.
Inhalation: If breathing is difficult. Remove subject to fresh air. Seek medical attention immediately.
Ingestion: Call a physician or poison control center. Do not induce vomiting. Seek medical advice immediately.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

Eye Contact: Causes eye burns.
Skin Contact: Causes skin burns.
Inhalation: Harmful if inhaled. May cause irritation and corrosive effects to nose, throat and respiratory tract.
Ingestion: Harmful if swallowed. May cause burns to mouth, throat and stomach.

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

Treat symptomatically.

5: FIRE-FIGHTING MEASURES

Suitable Extinguishing media: Water spray, CO_2, dry chemical, alcohol-type or universal type foams

Specific Hazards: Corrosive liquid. (See Sections 8 and 10.) Do not spray a solid stream of water or foam directly in hot liquid. This may cause frothing.

Protective Equipment and Precautions: Fire fighters should wear NIOSH approved breathing apparatus. Materials can splatter above 100º C / 212º F

6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Put on personal protective equipment (see Section 8). Keep spectators away. Floors may be slippery: use care to avoid falling.

Environment Precautions: Keep spills and cleaning run-off out of sewers and open bodies of water.

CONTAINMENT AND CLEAN-UP

Small Spills: Absorb spill with inert material (e.g. sand, earth) and dispose of as waste material in accordance with local, state and federal regulations.

Large Spills: Dike and contain spill with inert material (e.g. sand, earth). Transfer liquid to containers for recovery or disposal and solid diking material to separate containers for disposal.

Waste Disposal: Landfill or incinerate the contaminated solids and diking material in accordance with local, state and federal regulations. Non-salvageable liquid should be drummed and disposed of in accordance with local, state and federal regulations.

7: HANDLING AND STORAGE

Precautions for Safe Handling: Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Use only in well-ventilated areas. Avoid breathing vapors or mists. Remove and wash contaminated clothing and footwear before re-use.

Conditions for Safe Storage: Storage temperature (Max. 60ºC/140ºF - Min. 1ºC/34ºF)

Other Information: Keep from freezing. Keep container sealed when not in use. Keep out of reach of children.

8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits:

Ingredient	CAS Number	ACGIH		OSHA	
		TWA	STEL	TWA	STEL
2-butoxyethanol	111-76-2	20 ppm (BEI)	NL	50 ppm (skin)	NL

Engineering Controls: Use only with adequate ventilation. Use local ventilation and other engineering controls to maintain airborne contaminants below established and recommended exposure limits. If this product contains ingredients with exposure limits, monitoring may be required to determine the effectiveness of ventilation and other control measures.

Personal Protective Equipment (PPE)

Eye/Face Protection: Safety eyewear is recommended, to avoid chemical splashes and mists.
Skin Protection: Chemical resistant gloves are recommended.

Respiratory Protection: Respiratory protection should be worn when there is a potential of inadequate ventilation. If exposure limits are exceeded or symptoms are experienced, use an approved respirator.

9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	clear, dark purple liquid
Odor:	sassafras
Odor Threshold:	N/E
pH:	12.0
Freezing Point:	N/E
Boiling Point:	N/E
Flash Point:	>200ºF / >93ºC
Evaporation Rate:	less than water
Flammability:	not flammable
Flammability limits:	N/E
Vapor Pressure:	N/E
Vapor Density:	N/E
Relative Density:	8.6 lb/gal @ 68ºF / 1.03 kg/l @ 20ºC
Solubility:	miscible in water
Partition Coefficient:	N/E
Auto Ignition temperature:	N/E
Decomposition Temperature:	N/E
Viscosity:	< 5 centipoise @ 68ºF (20ºC)
VOC:	3.75% (as supplied), 0.23% (1:16), 0.12% (1:32)

10: STABILITY AND REACTIVITY

Reactivity: Not reactive under normal conditions.
Stability: Stable under normal conditions.
Hazardous reactions: Adding water directly to the product may generate heat and cause product to splash. To avoid adverse reaction, always add product to water, do not add water to product.
Conditions to avoid: Improper order of dilution
Incompatible materials: Strong acids and oxidizing agents
Hazardous decomposition products: carbon monoxide, carbon dioxide and nitrogen oxides

11: TOXICOLOGICAL INFORMATION

Acute Toxicity: Not determined on product.

LOCAL EFFECTS

Skin contact:	Corrosive
Eye contact:	Corrosive
Sensitization:	None expected
Chronic effects:	None expected

SPECIFIC EFFECTS

Carcinogenicity:	None known
Reproductive effects:	None known
Teratogenicity:	None known
Mutagenicity:	None known

COMPONENT INFORMATION

Component	LD50 Oral- Rat (mg/kg)	LD50 Dermal - Rabbit (mg/kg)	LC_{50} Inhalation- Rat (mg/l)
2- butoxyethanol	470	220	2.2 (4 hr)
sodium carbonate	4090	2210 (mouse)	N/A
sodium metasilicate	1500	N/A	2.3 (2 hr)

Carcinogenicity:

Component	IARC	NTP	OSHA
2- butoxyethanol	IARC 3	N/L	N/L

12: ECOLOGICAL INFORMATION

Ecotoxicity: Ecological testing has not been completed on the mixture.
Persistence and Degradability: Data not available.

Bioaccumulative Potential: Data not available.
Mobility in Soil: Data not available.
Other Adverse Effects: Data not available.

13: DISPOSAL CONSIDERATIONS

Disposal of this material should be in accordance with local, regional and national regulations.

14: TRANSPORT INFORMATION

UN Number: UN1760
UN Proper Shipping Name: Corrosive liquid, n.o.s. (disodium trioxosilicate)
Hazard Class: 8
Packing Group: III
Marine Pollutant: None
Transport in Bulk: N/A
Other Information: Package volumes <5 L each are shipped as Limited Quantity; as permitted by hazard class and quantity exemption.

15: REGULATORY INFORMATION

U.S. REGULATIONS/REPORTING:

Ingredient	CAS Number	SARA 302/304	SARA 313	CERCLA
2- butoxyethanol	111-76-2	N/L	0.01	N/L

STATE RIGHT-TO-KNOW STATUS:

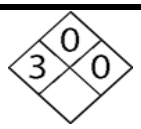
Ingredient	CAS Number	MA - RTK	NJ - RTK	PA - RTK	RI - RTK
2- butoxyethanol	111-76-2	present	present	present	present

CALIFORNIA PROPOSITION 65: Components are not present on CA Prop 65 listing.

16: OTHER INFORMATION

Abbreviations Used:
N/A - Not applicable
N/E - Not Established
N/L - Not Listed
IARC 3- Unclassifiable as to Carcinogenicity in Humans

Revision Information:
04/27/2015- Revisions to 1910.1200 GHS standard



Health: 3
Flammability: 0
Reactivity: 0

This SDS has been provided to you in accordance with the OSHA Hazard Communication Standard (29CFR1910.1200).

****IMPORTANT SAFETY INFORMATION**DO NOT DISCARD**PLEASE ROUTE TO COMPANY SAFETY OFFICER****