



GLOBAL Encasement, Inc.

SAFETY DATA SHEET Globe Caulk™

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: Globe Caulk™
Product Use: Acrylic Caulking Compound
Product Description: 100% Acrylic Caulk, Water Base
Manufacturer: GLOBAL Encasement, Inc.
 701 E. Santa Clara St., Ventura, CA 93001
 Tel. # (800) 266-3982 / Fax (800) 520-3291
Contact #s:
Website Address: www.encasement.com

SECTION 2: HAZARDS IDENTIFICATION

GHS Classification: Acute toxicity, oral – Category 4
 Skin corrosion/irritation – Category 1A, 1B, 1C
 Sensitization, skin – Category 1
 Specific target organ toxicity, single exposure; Respiratory tract irritation – Category 3
 Specific target organ toxicity, single exposure; Narcotic effects – Category 3
 Hazardous to the aquatic environment, acute toxicity – Category 1

Signal Word: Warning, Danger

Hazard Statements:

Code	Hazard Statements	Category
H302	Harmful if swallowed	4
H314	Causes severe skin burns and eye damage	1A, 1B, 1C
H317	May cause an allergic skin reaction	1
H335	May cause respiratory irritation	3
H336	May cause drowsiness or dizziness	3
H400	Very toxic to aquatic life	1

Pictograms:



Precautionary statements

Prevention:

Code	Prevention	Category
P260	Do not breathe dust/fume/gas/mist/vapours/spray	1A, 1B, 1C

P261	Avoid breathing dust/fume/gas/mist/vapours/spray	3
P264	Wash...thoroughly after handling	1A, 1B, 1C
P270	Do not eat, drink or smoke when using this product	4
P271	Use only outdoors or in a well-ventilated area	3
P273	Avoid release to the environment	1
P280	Wash...thoroughly after handling	1A, 1B, 1C

Response:

Code	Response	Category
P301	IF SWALLOWED:	1A, 1B, 1C, 4
P302	IF ON SKIN (or hair):	1A, 1B, 1C
P303	IF ON SKIN:	1
P304	IF INHALED:	1A, 1B, 1C, 3
P305	IF IN EYES:	1A, 1B, 1C
P310	Immediately call a POISON CENTER or doctor/physician	1A, 1B, 1C
P312	Call a POISON CENTER or doctor/physician if you feel unwell	3, 4
P321	Specific treatment (see ... on this label)	1A, 1B, 1C
P330	Rinse mouth	1A, 1B, 1C, 4
P338	Remove contact lenses, if present and easy to do. Continue rinsing	1A, 1B, 1C
P340	Remove victim to fresh air and keep at rest in a position comfortable for breathing	1A, 1B, 1C, 3
P351	Rinse cautiously with water for several minutes	1A, 1B, 1C
P353	Rinse skin with water/shower	1A, 1B, 1C
P363	Wash contaminated clothing before reuse	1A, 1B, 1C
P391	Collect spillage	1
P301+P312	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell	4
P302+P352	IF ON SKIN: Wash with plenty of soap and water	1
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting	1A, 1B, 1C
P303+P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower	1A, 1B, 1C
P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing	1A, 1B, 1C, 3
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing	1A, 1B, 1C

Storage:

Code	Storage	Category
P405	Store locked up.	1A, 1B, 1C, 3
P404+P233	Store in a well-ventilated place. Keep container tightly closed	3

Disposal:

Code	Disposal	Category
P501	Dispose of contents/container to...in accordance with local/regional/national/international regulation (to be specified).	1, 1A, 1B, 1C, 3, 4

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Material or Component	CAS Number	% by Weight
Titanium dioxide (unbound only)	13463-67-7	1-3
Ethylene Glycol	107-21-1	0.5-2.0
Synthetic amorphous, pyrogenic silica	112945-52-5	1-3
2,2,4 trimethyl-1,3 pentanediol monoisobutyrate	25265-77-4	5-10
Ammonia-Aqueous Solution	1336-21-6	>1.0

The hazards of the listed titanium dioxide, crystalline silica (Quartz) from limestone and ZnO are for their powder unbound form. In the bound form and when used for application as a roof coating for which the products are designed, these ingredients are not hazardous.

SECTION 4: FIRST-AID INFORMATION**Emergency First Aid Procedures and Description:**

- Eye Contact:** Eye irritation. Flush immediately with large amounts of water for at least 15 minutes. Eyelids should be held away from eyeball to ensure thorough rinsing. Get immediate medical attention.
- Skin Contact:** Itching or burning of the skin. Immediately flush the skin with plenty of water while removing contaminated clothing and shoes. Get immediate medical attention.
- Inhalation:** Nasal irritation, headache, dizziness, nausea, vomiting. Heart palpitations, breathing difficulty, cyanosis, tremors, weakness, red flushing of face, irritability. Remove exposed person from source of exposure to fresh air. If not breathing, clear airway and start cardiopulmonary resuscitation (CPR). Avoid mouth-to-mouth resuscitation. Get medical attention immediately.
- Ingestion:** If ingested, do not induce vomiting unless directed to do so by a medical personnel. Get medical attention.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: Use dry chemical, foam or carbon dioxide to extinguish fire.

Specific Hazards Arising from the Chemical: Dangerous when exposed to heat or flame. Will form flammable or explosive mixtures with air at room temperature. Irritating or toxic substances may be emitted upon thermal decomposition. Thermal decomposition products may include oxides of carbon and nitrogen. Vapor or gas may spread to distant ignition sources and flash back. Vapors or gas may accumulate in low areas. Runoff to sewer may cause fire or explosion hazard. Containers may explode in heat of fire. Containers may explode in heat of fire. Vapors may concentrate in confined areas. Liquid will float and may reignite on the surface of water.

Special Protective Action for Firefighters: Water should be used to cool fire-exposed containers, structures and to protect personnel. Use water to dilute spills and flush them away from sources of ignition. Do not flush down sewers or other drainage systems. Exposed firefighters must wear NIOSH approved positive pressure self-contained breathing apparatus with full face mask and full protective clothing.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use personal protective equipment.
Keep people away from and upwind of spill/leak.

Material can create slippery conditions.

Environmental Precautions: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

Methods of Cleaning Up: Contain spills immediately with inert materials (e.g. sand, earth). Transfer liquids and solid diking material to separate suitable containers for recovery or disposal.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling: Avoid breathing dust, vapor or mist. Avoid contact with skin or clothing. Avoid contact with eyes. Use only with adequate ventilation/personal protection. Wash thoroughly after handling. Use personal protective equipment in handling and observe personal hygiene after use of the product.

Conditions for Safe Storage: **DO NOT FREEZE.** Keep containers tightly closed in a dry, cool and well-ventilated place.

Storage Period: 12 months

Keep container closed when not in use. Protect from freezing.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION INFORMATION

Component	CAS #	Regulation	Type of Listing	Occupational Exposure Limits
Titanium dioxide	13463-67-7	JSOH OELs (05 2009) US ACGIH (2011)	TWA TWA TWA	1 mg/m ³ (Respirable dust) 4 mg/m ³ (Total dust) 10 mg/m ³
Ethylene Glycol	107-21-1	ACGIH	C	100 mg/m ³
Synthetic amorphous, pyrogenic silica	112945-52-5	ACGIH-PNOS OSHA	TWA TWA	10 mg/m ³ , VLA, Inhalable 3 mg/m ³ , VLA, Respirable 15 mg/m ³ (Total dust) 5 mg/m ³ (Respirable dust)
Glycidoxypropyl trimethoxysilane	2530-83-8	DCC OEL DCC OEL	TWA STEL	5 PPM 10
2-n-Octyl-4-isothiazolin-3-one	26530-20-1	Rohm & Haas Rohm & Haas	TWA TWA	0.2 mg/m ³ 0.6 mg/m ³
Aqua Ammonia	1336-21-6	ACGIH OSHA_Trans NIOSH	TWA-8hr STEL PEL STEL-15mins -10hr TWA	25 ppm 18 mg/m ³ 35 ppm 27 mg/m ³ 50 ppm 35 mg/m ³ 35 ppm 27 mg/m ³ 25 ppm 18 mg/m ³ 300 ppm IDLH

Engineering Controls: Mechanical local exhaust ventilation at point of containment release.

Protective Measures: Employees should wash their hands and face before eating, drinking or using tobacco products. Educate and train employees in the safe use and handling of this product.
EMERGENCY SHOWERS AND EYE WASH STATIONS SHOULD BE AVAILABLE.

Eye/Face Protection: Safety glasses with side-shields.

Skin Protection: Impervious (Neoprene gloves).

Respiratory Protection: Use only with ventilation to keep levels below exposure guidelines reported in this document. If not sure, and/or not able to monitor, use state or federally approved supplied air-respirator. Wear suitable respirator (MSHA/NIOSH approved or equivalent) where exposure limits are exceeded.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Viscous white liquid
Odor:	Slight amine odor
Odor Threshold:	Not Available
pH:	7.4-7.7
Melting Point/Freezing Point:	0°C (32°F) similar to water
Boiling Point and Boiling Range:	100°C (212°F) similar to water
Flash Point:	Not applicable (water based product), however, solid material will support combustion if water has been evaporated.
Evaporation Rate:	Slower than ether
Flammability (Solid, Gas):	Not Available
Upper/Lower Flammability or Explosive Limits:	Not Available
Vapor Pressure:	22.7 mm Hg at 20°C (68. °F) similar to water
Vapor Density:	Not Available
Relative Density:	8.8-9.1 #/gal (1.04 g/cc)
Solubility:	Soluble
Partition Coefficient: N-Octanol/Water:	Not Available
Auto-Ignition Temperature:	Not Available
Decomposition Temperature:	Not Available
Viscosity:	Not Determined
VOC Content g/l:	100

Note: The above data are typical values and must not be construed as a specification.

SECTION 10: STABILITY AND REACTIVITY INFORMATION

Reactivity: Non-reactive.

Chemical Stability: Stable.

Possibility of Hazardous Reactions: None known.

Conditions/Materials to Avoid: Keep from freezing/No known materials to avoid.

Incompatible Materials: Strong oxidizing agents.

Hazardous Decomposition: By Thermal decomposition: carbon monoxide, carbon dioxide, oxides of nitrogen (NO_x), other potentially toxic fumes, and dense black smoke.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Toxicity:

Component	Acute Oral	Acute Dermal	Acute Inhalation
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Titanium dioxide	LD50 rat >5000 mg/kg	LD50: >5000 mg/kg (Rabbit)	LC50/4h/rat (dust/mist): >6.82 mg/l, 4h (Rat)
Ethylene Glycol	LD50 rat = 4700 mg/kg LD50 mouse = 5500 mg/kg	LD50, Rabbit = 9350 uL/kg Draize, test, rabbit, eye: 500 mg/24h Mild; 100 mg/1H Mild; 1440 mg/6H Moderate	
Aqua Ammonia	LD50 (ammonia) (Oral/Rat) 350 mg/kg LC50 inhalation rat 2000 ppm/4h.	Corrosive!	Corrosive!

Glycidoxipropyl trimethoxysilane:

Acute Oral toxicity: LD50 (Rat): 7.5 ml/kg
Assessment: The substance or mixture has no acute oral toxicity.
Remarks: Based on test data.

Acute Inhalation Toxicity: LC50 (Rat): >5.3mg/l
Exposure Time : 4h
Test atmosphere: dust/mist
Remarks: Based on test data.

Acute Dermal Toxicity: LD50 (Rabbit): 3.97 ml/kg Based on test data.

Skin/Eye Irritation:

Titanium Dioxide Mixture Rabbit, Exposure Time, 24hrs, Non-Irritating
Not available

Mutagenicity:

Titanium Dioxide Genetic Toxicity in Vitro: Ames: negative (Salmonella typhimurium, Metabolic Activation: with/without)
Genetic Toxicity in Vivo: Drosophila SLRL test: negative (Drosophila melanogaster) negative

Mixture Not available

Carcinogenicity:

Titanium Dioxide (Ti-Pure, DuPont) Rat, Male/Female, inhalation-According to IARC, several rat inhalation and intratracheal installation studies using titanium dioxide have shown increases in benign and malignant lung tumors.
Based upon all study results, DuPont scientists conclude that titanium dioxide will not cause lung cancer or chronic respiratory diseases in humans at concentrations experience in the workplace.
Reviewed human exposure data did not suggest an association between occupational exposure to titanium dioxide and cancer. Additionally, the IARC working group determined that, "No significant exposure to titanium dioxide is thought to occur during the use of products in which titanium dioxide is bound to other material, such as in paints."
From occupational sources (Group 1-Carcinogenic to humans)

Mixture Not available

Ammonia Tested on microorganisms and animals-may affect genetic material.
May cause cancer (tumorigenic) based on animal data (ammonia-anhydrous)

Ethylene Glycol Not classifiable as a human carcinogen (aerosol).

Sensitization:

Titanium dioxide Dermal: non-sensitizer (Guinea pig, Maximization Test), non-sensitizer (Human, Patch Test)
 Repeated Dose toxicity: 28 days, Inhalation: NOAEL: 35mg/m³, (Rat)
 Short term-not possible; long term-yes; products of degradation are less toxic than the product itself

Reproductive toxicity, STOT, Aspiration Hazard: Not available for components and mixture in the products listed.

Other Toxicological Information:

*Reviewed human exposure data did not suggest an association between occupational exposure to titanium dioxide and cancer. Additionally, the IARC working group determined that, "No significant exposure to titanium dioxide is thought to occur during the use of products in which titanium dioxide is bound to other material, such as in paints."

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity:

Titanium dioxide	Aquatic Toxicity: 96 hrs. LC50: Fathead minnow >1,000mg/l; LC50: >1000 mg/l (Golden Orfe (Leuciscus idus), 48 hours) Acute Toxicity to Aquatic invertebrates: EC50 >3mg/l (Water Flea (Daphnia Magna) Toxicity to Microorganisms: EC50 >10,000 mg/l, (Pseudomas fluorescens, 24 hrs.)
Aqua Ammonia	In water-LC50: 0.1ppm (24hrs) (Rainbow trout); 8.2 mg/l 96 hrs. (Hathead minnow; 0.1 ppm (48 hrs.) (Bluegill)
Ethylene Glycol	Fish: Rainbow trout: LC50=41000mg/l; 96 hr.; Unspecified Bluegill/Sunfish: LC50=27500-41000mg/L; 96 hr.; Unspecified Goldfish: LC50=27500-41000 mg/L; 96 hr.; Unspecified Flea: LC50=46300 mg/L; 48 hr.; Unspecified Ria: Phytobacterium phosphoreum: EC50=620 mg/L (salt water) LC50= >100 ppm/48 hr.

Environmental: On soil, substance may leach to groundwater and biodegrade rapidly. In water, substance is not expected to bioconcentrate in marine life.

Persistence and Degradability, Bioaccumulative Potential, Mobility in Soil: Not available for components and mixtures in the products listed.

SECTION 13: DISPOSAL INFORMATION

Environmental Precautions: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

Waste Disposal Method: Waste disposal should be in accordance with existing federal, state and local environmental laws.

Empty Container Precautions: Recondition or dispose of empty container in accordance with governmental regulations. Do not reuse empty container without proper cleaning.

SECTION 14: TRANSPORTATION INFORMATION

UN Number:	Not Applicable
UN proper Shipping Name:	Not Regulated
Transport Hazard Class:	Not Regulated
Packing Group:	Not Applicable
Land Transport (DOT):	Not Regulated
Sea Transport (IMDG):	Not Regulated

Air Transport (ICAO/IATA): Not Regulated
 Special Precautions: No data available

SECTION 15: REGULATORY INFORMATION

Unites States TSCA Inventory (US.TSCA): All components of this product are in compliance with the inventory listing requirement of the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

CERCLA Information (40 CFR Part 302.4): SARA HAZARD CATEGORY: This product has been reviewed according to the EPA ‘Hazard Categories’ promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

SARA TITLE III, Section 313: This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund and Reauthorization Act of 1986 and 40 CFR part 372:

Chemical Name	CAS Number
Ethylene Glycol	1314-13-2
Aqua Ammonia	1336-21-6

WHMIS: No information.

Proposition 65: This product contains a chemical known to cause cancer or reproductive toxicity.

Component	CAS Number
Titanium dioxide (airborne, unbound particles of respirable size)	(none), several substances for single listing

SECTION 16: OTHER INFORMATION

Prepared By: GLOBAL Encasement, Inc.
 Customer Service Department

Revision Date: Jan 10, 2019
 Last Revision Date: Jan 12, 2016
 Version #: 4

This SDS adheres to the standards and regulatory requirements of the United States and has been written under the guidance of the Globally Harmonized System of Classification and Labeling of Chemicals.

Key of Acronyms:

ACGIH	American Conference of Governmental Industrial Hygienists
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
C	Ceiling
DOT	Department of Transportation
EPA	Environmental Protection Agency
GHS	Globally Harmonized System (of Classification and Labeling of Chemicals)
ICAO	International Civil Aviation Organization
IATA	International Air Transportation Association
IMDG	International Maritime Dangerous Goods
LC50	Lethal Concentration STEL Short Term Exposure Limit

LD50	Median Lethal Dose or Lethal Dose, 50 %
NFPA	National Fire Protection Association
NIOSH	National Institute for Occupational Safety
OEL	Occupational Exposure Limit
OSHA	Occupational Safety and Health Administration
SARA	Superfund Amendments and Reauthorization Act
TRI	Toxic Release Inventory
U.S. (TSCA)	Toxic Substances Control Act
WHMIS	Workplace Hazardous Materials Information System

The information in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. The information relates only to the specific material designated and may not be valid for such material used in combination with or any other material in any process, unless specified in the test.

End of Safety Data Sheet