

SECTION 1: Identification

Product Name: Granicrete Versa-Primer

Revision Date: 2/15/17

Product Code: 2999

Package: 1 gal. / 3.78L can

Product Description: Primer Bonding Coat Color: Grey Liquid Odor: None Distinct

Intended Use: decorative, restorative

Company - Manufacturer: Granicrete International, Inc.

1130 W. Alameda Drive, Suite 5, Tempe, AZ 85282 USA

Web Address: www.Granicrete.com

Contact General: Domestic ... 1-602-438-9464 International ... 001-602-438-9464

Non-emergency email: safety@granicrete.com

Contact 24-Hour Emergency:

PERS Domestic at 1-800-633-8253

PERS International at 001-801-629-0667

SECTION 2: Hazard(s) Identification

Classification: Danger

Carcinogenicity: 1A



Signal Word: DANGER!

Hazard Statements:

H317: May cause allergic skin reaction

H350: May cause cancer

Precautionary Statements:

Prevention...

P201: Obtain special instructions before use.

P202: Do not handle until all safety precautions have been read and understood.

P270: Do not eat, drink, smoke when using product

P272: Contaminated clothing should not be worn

P280: Wear hand / clothing / ear / face protection

P284: Wear respiratory protection when inadequate ventilation

Response:

P308+P313: If exposed or concerned, seek medical assistance

P303+P361+353: **IF ON SKIN (OR HAIR):** Remove immediately all contaminated clothing, rinse-shower thoroughly.

P305+P351+P338: **IF IN EYES:** Rinse with water for several minutes, remove contact lenses if easy to do, rinse
P301+P331: **IF SWALLOWED:** Rinse mouth. Do not induce vomiting
P337+P313: If eye irritation persists, seek medical assistance
P333+P313: If skin irritation or rash occurs, see medical assistance
P361+P364: Take off contaminated clothing and wash before reuse
P391: Collect spillage

Storage:

P403+P235: Store in ventilated cool dry place

Disposal:

P501: Dispose to approved licensed facility

Other Hazards:

None Known

SECTION 3: Composition and Information on Ingredients

This material is regulated as a mixture.

| Ingredients / Components | CAS # | EC # | Skin Irritant | Eye Damage | Skin Sensitivity | Oral Toxicity | WT% |
|--|------------|-----------|----------------|----------------|------------------|------------------|---------|
| Silica, Crystalline – Quartz | 14808-60-7 | 238-878-4 | Not Classified | Not Classified | Not Classified | Not Classified | 0.5 |
| Titanium Dioxide | 13463-67-7 | 238-877-9 | 2-H315 | 1-H318 | 1-H317 | STOT SE 3 - H335 | 10-15 |
| 1-isopropyl-2,2-dimethyltrimethylene diisobutyrate | 6846-50-0 | 229-934-9 | 2-H315 | 1-H318 | 1-H317 | STOT SE 3 - H335 | 3-5 |
| Iron | 7439-89-6 | 231-096-4 | 2-H315 | 1-H318 | 1-H317 | STOT SE 3 - H335 | 0.3-0.5 |
| Talc | 14807-96-6 | 238-877-9 | 2-H315 | 1-H318 | 1-H317 | STOT SE 3 - H335 | 15-20 |

SECTION 4: First-Aid Measures

Eye Contact: Rinse with running water for 15 minutes. Hold eyelids apart while irrigating. Call physician immediately.

Skin Contact: Wash affected area thoroughly with pH-neutral soap or mild detergent and water. Wash clothing before re-use. Seek medical attention for prolonged exposure to wet product.

Inhalation: Move to fresh air. Get medical attention if coughing and other symptoms do not subside. Support breathing by giving O₂ / artificial respiration.

Ingestion: Get medical attention immediately. Do not induce vomiting. If conscious administer copious amounts of drinking water or milk.

SECTION 5: Fire-Fighting Measures

Extinguishing Media: This product is not combustible

Appropriate: Use Water Spray, Foam, Dry Chemical or Carbon Dioxide

Inappropriate: none

Fire Fighting Procedures: none other than use NIOSH approved SCBA and Full Protective Equipment (FPN)

Unusual Fire and Explosion Hazard: Dust clouds in air can be ignited by electric sparks, hot surfaces and open flame.

Hazardous Combustion Products: none

Flammability Properties:

Flash Point (Method): None

Flammable Limits (Approximate volume % in air): LEL: none UEL: none

Auto-ignition Temperature: not combustible

SECTION 6: Accidental Release Measures

Personal precautions: May require NIOSH approved respirator if product becomes airborne. Ventilate area. Avoid contact with eyes, skin, and clothing.

Environmental precautions: Prevent entry into waterways.

Methods for clean-up:

Sweep up or vacuum immediately; avoid creating dusty conditions. Material can absorb water and become slippery. Shovel up wet material and flush area with water.

SECTION 7: Handling and Storage

Handling: Avoid contact with eyes, skin, and clothing. Promptly remove dusty clothing or clothing that has become wet with the mixed product. Launder clothing before reuse. Wash thoroughly after exposure to product.

Storage: Keep bags dry and from prolonged direct heat. Keep out of reach of children and pets.

SECTION 8: Exposure Control and Personal Protection



Exposure limit values:

Chemical Name ACGIH OSHA

Talc 2 mg/m³ - TWA 20 mppcf - TWA

Titanium dioxide 10 mg/m³ - TWA 15 mg/m³ - TWA

Silica, crystalline 0.025 mg/m³ - TWA

Occupational exposure controls:

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits.

Respiratory protection: Wear suitable NIOSH approved mask or respirator.

Hand protection: Impervious gloves if contact is anticipated. Nitrile gloves are acceptable.

Eye protection: Safety glasses with side shields.

Skin protection: Minimize skin contact with appropriate long-sleeved clothing. Wash frequently with pH neutral soap.

Hygiene measures:

Observe good industrial hygienic practices. Frequently launder or discard protective clothing, equipment.

Environmental exposure controls:

None are anticipated.

SECTION 9: Physical and Chemical Properties

General

Physical state: liquid
Color: grey
Odor: no distinct odor

Safety Data

pH in water: N/A
Density: 11.2 - 11.3
Boiling point: 212F 100C
Flash point: not applicable
Flammable limits (approximate volume % in air): not combustible
Auto-ignition temperature: not applicable
Vapor pressure (mm Hg.): not applicable
Freeze Point: 32F 0C
Weight Solids: 50-65%
Water solubility: moderate
Vapor density (air = 1): not applicable
Specific gravity (water = 1): 1.30 - 1.36
VOC Regulatory: <100

SECTION 10: Stability and Reactivity

Stability: stable

Conditions to avoid: contact with moisture

Materials to avoid: acids, ammonia salts, and phosphorous

Hazardous decomposition products: does not spontaneously occur

Hazardous polymerization: will not occur

SECTION 11: Toxicological Information

Acute Toxicity

| Route of Exposure | Conclusion / Comments |
|-------------------|---|
| Inhalation | Exposure to dust may cause irritation, cough, expectoration, shortness of breath. Avoid prolonged exposure levels as can lead to acute silicosis. |
| Ingestion | Can cause esophageal and stomach burns. |
| Skin | Contact with wet product may cause burns with dermal necrosis although not felt at immediate time of exposure. |
| Eye | May cause burning and corneal edema. |

Chronic / Other Effects

Chronic bronchitis may result from chronic exposure to dust. Prolonged exposure to crystalline silica can cause silicosis. This product contains crystalline silica, which is a cancer hazard if inhaled.

Carcinogenicity:

Silica quartz listed in Section 3 has been identified by IARC as carcinogenic: "crystalline silica inhaled in the form of quartz or cristobalite from occupational sources is carcinogenic to humans (Group 1.)" The IARC noted that "carcinogenicity was not detected in all industrial circumstances studies."

Titanium dioxide is listed by IARC a possible human carcinogen.

Titanium dioxide

LD50 Oral: > 10000 mg/kg (Rat)
2,2,4-trimethyl-1,3-propanediol diisobutyrate
LD50 Oral: > 3,200 mg/kg (Rat) vendor data
LC50 Inhalation (Vapor): > 5.3 mg/L (Rat)

Iron

30000 mg/kg (Rat)

Silica, crystalline

LD50 Oral: 500 mg/kg (Rat)

SECTION 12: Ecological Information

Eco-toxicity: No recognized unusual toxicity to animals or plants or fish.

SECTION 13: Disposal Considerations

Methods of disposal: This material may be safely landfilled in accordance with federal, state, and local environmental control regulations.

Section 14: Transport Information

International transport regulations: This product is not regulated for transport.

UN number: None

UN proper shipping name: None

Transport hazard class: None

Packing group number (PG): None

Environmental hazards – IMDG Marine Pollutant Code: None

IBC Guidance: None

SECTION 15: Regulatory Information**USDOL – OSHA & MSHA Hazard Communication per Rule 29 CFR 1920.1200**

Considered a hazardous chemical under this regulation, and should be part of any hazard communication program

TSCA (USA - Toxic Substance Control Act)

Some substances in product are on the TSCA inventory list

SARA Title III (USA – Superfund Amendments and Reauthorization Act)

311/312 Hazard categories for delayed health effects

313 Reportable Ingredients: None

CERCLA (USA – Comprehensive Response Compensation and Liability Act)

None

California Prop 65, Safe Drinking Water and Toxic Enforcement Act of 1986

This product contains trace elements known to the State of California to cause cancer, birth defects, or reproductive harm. Per California law this warning is provided in the absence of definitive testing to prove the defined risks do not exist.

Federal Hazardous Substance Act

Considered a hazardous substance subject to the statutes promulgated under the subject act.
DSL / NDSL (Canadian Domestic Substances List / Non-Domestic Substances List)
Components of this product identified by CAS number are listed on the DSL

SECTION 16: Other Information

HMIS Hazard Rating:

| | |
|---------------------|----------|
| HEALTH | 1 |
| FLAMMABILITY | 0 |
| REACTIVITY | 0 |

Recommended restriction: This product is for use by trained professionals after having read the complete SDS.

Key Legend:

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List of abbreviations and acronyms that could be, but not necessarily are, used in this safety data sheet :

ACGIH : American Conference of Industrial Hygienists

BEI: Biological Exposure Index

CAS: Chemical Abstracts Service (Division of the American Chemical Society).

CMR: Carcinogenic, Mutagenic or Toxic for Reproduction

FG: Food grade

GHS: Globally Harmonized System of Classification and Labeling of Chemicals.

H - statement: Hazard Statement

IATA: International Air Transport Association.

IATA - DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).

ICAO: International Civil Aviation Organization

ICAO - TI (ICAO): Technical Instructions by the "International Civil Aviation Organization"

IMDG: International Maritime Code for Dangerous Goods

ISO: International Organization for Standardization

logPow: octanol - water partition coefficient

LCxx : Lethal Concentration, for xx percent of test population

LDxx: Lethal Dose, for xx percent of test population.

ICxx: Inhibitory Concentration for xx of a substance

Ecxx: Effective Concentration of xx

N.O.S.: Not Otherwise Specified

OECD: Organization for Economic Co - operation and Development

OEL: Occupational Exposure Limit

P - Statement: Precautionary Statement

PBT: Persistent , Bioaccumulative and Toxic

PPE: Personal Protective Equipment

STEL: Short - term exposure limit

STOT: Specific Target Organ Toxicity

TLV: Threshold Limit Value

TWA: Time - weighted average

vPvB: Very Persistent and Very Bioaccumulative

WEL: Workplace Exposure Level

CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act

DOT: Department of Transportation

FIFRA: Federal Insecticide, Fungicide, and Rodenticide Act

HMIRC: Hazardous Materials Information Review Commission

HMIS: Hazardous Materials Identification System

NFPA: National Fire Protection Association
NIOSH: National Institute for Occupational Safety and Health
OSHA: Occupational Safety and Health Administration
PMRA: Health Canada Pest Management Regulatory Agency
RTK: Right to Know
WHMIS: Workplace Hazardous Materials Information System

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