

Section 1. Supplier Information



General Chemical Corp.
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Emergency Telephone: 1-800-424-9300

Section 2. Hazardous Ingredients

<u>Hazardous Component(s)</u>	<u>CAS #</u>	<u>PEL TWA</u>	<u>PEL Ceiling</u>	<u>TLV TWA</u>	<u>TLV STEL</u>	<u>MFG Limits</u>	<u>WGT %</u>
Calcium carbonate	1317-65-3	5 mg/m3	N/E	10 mg/m3	N/E	N/E	10 - 30
Glycerin	56-81-5	15 mg/m	N/E	10 mg/m3	N/E	N/E	< 20
Titanium dioxide	13463-67-7	15 mg/m	N/E	10 mg/m3	N/E	N/E	1 - 10

N/A = Not Applicable; N/E = Not Established; * = Mists; # = Skin; ' = Respirable Dust; " = Total Dust; ^ = Vapor; ** = Fumes; C = Ceiling Limit

All components of this product are listed on the Toxic Substances Control Act (TSCA) Inventory and the Canadian Domestic Substances List (DSL), or are exempt from the listing.

Section 3. Hazards Identification

Primary Routes of Entry

Inhalation: NO
Skin: YES
Ingestion: NO

Hazardous Materials Information System (HMIS) Ratings

Health: 1
Fire: 0
Reactivity: 0
0 = Minimal
1 = Slight
2 = Moderate
3 = Serious
4 = Severe
* = Chronic Hazard

Signs of Symptoms of Exposure:

INHALATION: No effects of exposure expected. At very high concentrations only, this product may cause headache, nose and throat irritation, nausea and/or mental confusion.

SKIN: Prolonged or repeated contact can cause irritation.

EYES: Liquid and vapor contact produces irritation.

INGESTION: Ingestion of large amounts causes gastric disturbances. Nausea and vomiting may result.

Chemical Listed as Potential Carcinogens:

NTP: NO

IARC: NO

OSHA: NO

Target Organs: Eye, skin, and respiratory system.

Section 4. Emergency And First Aid Procedures

INHALATION: If adverse effects such as dizziness, nausea, or irritation are noted, move person to fresh air. If not breathing, give artificial respiration. Get medical attention!

SKIN: Immediately wash skin with large amounts of soap and water. Remove contaminated clothing and shoes; wash before reuse. Get medical attention if irritation persists after washing.

EYES: Flush eyes immediately with water for at least 15 minutes. If irritation persists, call a physician.

INGESTION: DO NOT INDUCE VOMITING! Contact a physician immediately!

Section 5. Fire Fighting Measures

Flash Point: None to boiling. Method Used: Pensky-Martens Closed Cup

Flammable Limits in Air % by Volume: LEL: N/E UEL: N/E

Extinguisher Media: Carbon dioxide, dry chemical, foam, or water fog.

Special Fire Fighting Procedures: Firefighters should wear a self-contained breathing apparatus with a full facepiece operated in pressure demand or other positive pressure mode, and protective clothing.

Unusual Fire And Explosion Hazards: Low fire hazard when exposed to heat and flame. Product is not flammable or combustible.

Section 6. Accidental Release Measures

If material is spilled, absorb with sand, earth, or similar inert material. Place in closed, labeled containers for proper disposal.

CERCLA (Superfund) Reportable Quantity (in lbs None in attainable quantities.

Section 7. Handling and Storage

Handling: Avoid contact with skin and eyes; wash thoroughly after handling. Avoid breathing vapor; use with adequate ventilation.

Storage: KEEP FROM FREEZING! Store in a dry location at room temperature. Keep container closed and maintain all original markings and labels. Do not use aluminum or galvanized steel for storage, pumping or transfer.

Other: Do not reuse container without recycling or reconditioning. Handle empty containers as if they were full.

Section 8. Exposure Controls and Personal Protection

Respiratory Protection: Not required under normal conditions of use.

Local Exhaust: None normally required. Local exhaust may be needed under special circumstances such as poorly ventilated areas, evaporation from large surfaces, spraying, heating, etc.

Mechanical Exhaust: Mechanical ventilation should be sufficient to maintain exposure levels below exposure limits.

Protective Gloves: Wear chemical resistant gloves.

Eye Protection: Safety glasses with side shields. Do NOT wear contact lenses. Chemical goggles and/or faceshield should be worn where splashing is possible.

Other Protection: Eye wash and safety shower should be readily available.

Hygienic Practices: Protective equipment and clothing should be selected, used and maintained according to applicable standards and regulations. For further

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information, contact the clothing or equipment manufacturer. Do not eat, drink, or smoke while using this product. Wash hands prior to eating, drinking, smoking, or using restrooms. Cleanse skin thoroughly after contact, before breaks and meals, and at the end of the work shift.

Section 9. Physical and Chemical Properties

Boiling Point:	212 ° F (initial)	Degree of water solubility:
Specific Gravity (H ₂ O=1):	1.16-1.22	Negligible = Less than 0.1%
Vapor Pressure (mm Hg):	Similar to water.	Slight = 0.1% - 1%
Vapor Density (air=1)	Similar to water.	Moderate = 1% - 10%
Solubility in Water:	Complete.	Appreciable = More than 10%
Reactivity in Water:	None.	Complete = 100%
Weight per Gallon (lb/gal):	9.7 - 10.2 lbs/gal	
% Volatile by Volume:	53-57%	
% Solid by Weight:	43-47%	
Appearance and Odor:	White, viscous liquid with a mild odor.	
Theoretical VOC: (>0.1 mm Hg @ 20 ° C)	< 2.0 lbs/gal	
Analytical VOC : (EPA method 24)	2.0 - 4.0 lbs/gal	
pH:	7.0-9.0	

Section 10. Stability and Reactivity

Stability: Stable. Hazard Polymerization: Will not occur.
Conditions to Avoid: Extreme heat and open flames.
Incompatibility (Materials to Avoid): Strong oxidizing agents and acids.
Hazardous Decomposition Products: Acrolein and oxides of carbon.

Section 11. Toxicological Information

Calcium Carbonate [CASRN 001317-65-3]

ACUTE TOXICITY Oral LD50 (rat) = 6450 mg/kg *

INHALATION: Breathing dust may aggravate pre-existing respiratory conditions.

SKIN: Moderate irritant. *

EYES: Severe irritant. *

* - Dangerous Properties of Industrial Materials, 7th ed. p.677, Sax and Lewis 1989. [4,2-18-022398]

Glycerin [CASRN 000056-81-5]

ACUTE TOXICITY

Oral LD50 (rat) = 12.6 g/kg Dermal LD50 (rabbit) = 10 g/kg
Oral LD50 (mouse) = 4.1 g/kg Inhalation LC50 (rabbit) > 0.57 mg/l
Oral LD50 (guinea pig) = 7.8 g/kg

EYE IRRITATION: 126 mg of Glycerin applied to the eyes of rabbits in a Draize test resulted in mild irritation.

SKIN IRRITATION: Primary Irritation Index of Glycerin = 0.3. 500 mg of glycerin applied to the skin of rabbits over a 24 hour period resulted in moderate irritation.

Other Toxicity Data: Repeated excessive exposures may cause increased fat levels in blood. Observations in animals include kidney, liver, and gastrointestinal effects with very large oral doses. Did not cause cancer in long-term animal studies. Birth defects are unlikely. Exposures having no adverse effects on the mother should have no effect on the fetus. Reproductive effects seen in females are believed to be due to altered nutritional states resulting from extremely high doses in their diets. Similar effects have been seen in animals fed synthetic diets. [0,0-6,J,G-080398]

Titanium dioxide [CASRN 013463-67-7]

ACUTE TOXICITY Oral LD50 (rat) > 24 g/kg
Dermal LD50 (rabbit) > 2.0 g/kg
Inhalation LC50 (rat) > 6820 mg/m³ (4 hr) [2,13-0,8,8,19,22-112095]

Section 12. Ecological Information

Glycerin [CASRN 000056-81-5]
(based largely or completely on information for a similar material - i.e. glycerine)

ECOTOXICITY

Fathead minnow LC50 = 44 g/l
Goldfish LC50 > 5 g/l

DEGRADATION

BOD5 = 0.54 p/p ThOD = 1.22 p/p (calculated)
BOD10 = 0.98 p/p IC50 (bacteria) > 1000 mg/L (OECD Test No. 209)
BOD20 = 1.0 p/p

Biodegradation under aerobic static conditions is high (BOD20 or BOD28/ThOD > 40 %).

MOVEMENT

log Pow = -1.76 Bioconcentration potential is low (BCF < 100; log Pow < 3)
[3-6,20,18,15,J,G-101895]

Section 13. Disposal Considerations

Waste Disposal Methods (Federal, State, Local):

In accordance with all federal, state and local requirements.

RCRA Hazardous Waste Number: N/A

Section 14. Transport Information

Hazardous Material Description:

(Proper shipping name, hazard class, hazard ID#, packing group)

Domestic ground non-bulk: NOT REGULATED

Domestic ground bulk: NOT REGULATED

International: NOT REGULATED

Section 15. Regulatory Information

SARA 313 Information This product contains the following chemical(s) above de minimis concentrations and may be subject to reporting under section 313:

None.

Section 16. Other Information

This MSDS contains revisions in the following sections: New product

Prepared by: Andrew J. Thomas Chemist

Revised by:

The development of this Material Safety Data Sheet (MSDS) relies upon information provided to us by each of our raw material suppliers. This MSDS will be updated as changes occur to their MSDS(s).

We believe the recommendations and technical information contained herein to be accurate. However, they are given without warranty or guarantee, expressed or implied, and we assume no responsibility for losses or damage, direct or indirect, as a result of their use.