

FoundryGeneral® Sand Treatment 16-250 --

Section 1. Supplier Information



FoundryGeneral® c/o General Chemical Corp.

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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>
Kerosene	8008-20-6	N/E	N/E	200 mg/m	N/E		80 - 90
Mineral oil, sev. hydrotreated	64742-52-5	5 mg/m3	N/E	5 mg/m3*	10 mg/m	N/E	1 - 10
Parrafin wax	8002-74-2	N/E	N/E	2 mg/m3*	N/E	N/E	< 5
Light naphthenic distillate	64741-52-2	5 mg/m3	N/E	N/E	N/E	N/E	< 3
Oleic acid	112-80-1	N/E	N/E	N/E	N/E	N/E	< 3

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: YES
Skin: YES
Ingestion: NO

Hazardous Materials Information System (HMIS) Ratings

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

Signs of Symptoms of Exposure:

INHALATION: High vapor or mist concentrations may produce nose, throat, and respiratory irritation and may cause central nervous system (CNS) depression.

SKIN: Material is mildly irritating to the skin. Prolonged or repeated contact may cause defatting and drying of the skin, resulting in irritation and dermatitis.

EYES: Minimally irritating to the eyes. High vapor concentrations may be irritating.

INGESTION: Ingestion of this product may result in vomiting. Aspiration (breathing) of vomitus into the lungs must be avoided, as even small quantities may result in aspiration pneumonitis.

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Chemical Listed as Potential Carcinogens:

NTP: YES

IARC: YES

OSHA: YES

Target Organs: Eyes, skin, & 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: 126 °F (minimum)

Method Used: Tagliabue Closed Cup

Flammable Limits in Air % by Volume: LEL: 0.7

UEL: 5

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: Vapors are heavier than air and may travel along the ground or be moved by ventilation and ignited at locations distant from handling point.

Section 6. Accidental Release Measures

If material is spilled, eliminate all ignition sources. Keep people away. Recover free product. Add sand, earth or other suitable absorbent to spill area; place in closed containers for disposal. Ventilate confined spaces. Keep product out of sewers and watercourses by diking or impounding. Advise authorities if product has entered or may enter sewers, watercourses, or extensive land areas. Continue to observe precautions for volatile, combustible vapors from absorbed material.

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

Section 7. Handling and Storage

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

Storage: Store in a dry location at room temperature. Keep container closed and maintain all original markings and labels. Keep this container and vapors from this container away from heat, sparks, flame, and other ignition sources.

Other: CAUTION! Do not use cutting or welding torches on containers, even when empty. Containers, even those that have been emptied, will retain product residue and vapors. 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: Use NIOSH / MSHA approved respirator where high vapor or mist concentrations are present.

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Local Exhaust:	Special ventilation is suggested at points where vapors can be expected to escape to the workplace air.
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:	Avoid contact with skin and avoid breathing vapors or mist. Do not eat, drink, or smoke while using this product. Wash up prior to eating, drinking, or using the restroom.

Section 9. Physical and Chemical Properties

Boiling Point:	351 °F (initial)	Degree of water solubility:
Specific Gravity (H ₂ O=1):	0.8-0.85	Negligible = Less than 0.1%
Vapor Pressure (mm Hg):	0.4	Slight = 0.1% - 1%
Vapor Density (air=1)	N/E	Moderate = 1% - 10%
Solubility in Water:	Negligible.	Appreciable = More than 10%
Reactivity in Water:	None.	Complete = 100%
Weight per Gallon (lb/gal):	6.8 -7.0 lbs/gal	
% Volatile by Volume:	N/D	
% Solid by Weight:	N/D	
Appearance and Odor:	Clear liquid with a petroleum odor	
Theoretical VOC: (>0.1 mm Hg @ 20 ° C)	6.5 - 6.6 lbs/gal	
Analytical VOC : (EPA method 24)	N/D	
pH:	N/A, product is solvent based.	

Section 10. Stability and Reactivity

Stability:	Stable.	Hazard Polymerization: Will not occur.
Conditions to Avoid:	COMBUSTIBLE! Keep from heat, sparks, or open flame.	
Incompatibility (Materials to Avoid):	Strong acids, bases, and oxidizing agents.	
Hazardous Decomposition Products:	Unidentified organic compounds and oxides of carbon.	

Section 11. Toxicological Information

Kerosene [CASRN 008008-20-6]

ACUTE TOXICITY

LC50 (rat) = 2 mg/l/4 h

LD50 Oral (rat) = Greater than 5,000 mg/kg

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Oleic acid [CASRN 000112-80-1]

ACUTE ORAL TOXICITY: Classified as 'slightly toxic' by ingestion.

Eye contact: Material is nonirritating in rabbit eye irritation studies; no irritation is likely to occur after human eye contact.

Skin contact: Material is nonirritating in rabbit dermal irritation studies. No irritation is likely to develop following contact with human skin. Material was not a skin sensitizer in animal testing. the potential is low for developing sensitization following contact with human skin. [20,13-15,G,J,D,D-021401]

Section 12. Ecological Information

Kerosene [CASRN 008008-20-6]

Not available

Oleic acid [CASRN 000112-80-1]

DEGRADABILITY Readily biodegradable (according to the modified Sturm test). [20,13-15,G,J,D,D-021401]

Section 13. Disposal Considerations

Waste Disposal Methods (Federal, State, Local):

In accordance with all federal, state and local requirements.

RCRA Hazardous Waste Number: D001

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: NA1993, COMBUSTIBLE LIQUID, N.O.S., PG III (KEROSENE)

International: UN1993, FLAMMABLE LIQUID, N.O.S., 3, PG III (KEROSENE)

Section 15. Regulatory Information

SARA 313 Information 'This product contains the following chemical(s) above deminis 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: General Chemical

Revised by:

Orig 8/19/2009
Rev:

MATERIAL SAFETY DATA SHEET

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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).

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