

**FoundryGeneral® Green Sand Parting 103 --**

**Section 1. Supplier Information**



**FoundryGeneral® c/o General Chemical Corp.**

12336 Emerson Drive  
www.foundrychem.com  
Brighton, MI 48116  
(248) 587-5600

**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>
Kerosene	8008-20-6	N/E	N/E	200 mg/m	N/E		50 - 70
Hydrotreated middle distillate	64742-46-7	5 mg/m <sup>3</sup>	N/E	5 mg/m <sup>3</sup> *	10 mg/m	100 mg/	30 - 50
Oleic acid	112-80-1	N/E	N/E	N/E	N/E	N/E	< 5

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: YES

**Hazardous Materials Information System (HMIS) Ratings**

Health: \* 2  
Fire: 2  
Reactivity: 0  
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.

**Chemical Listed as Potential Carcinogens:**

NTP: NO

IARC: NO

OSHA: NO

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Target Organs: May cause CNS depression. Severe lung damage if a

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**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!

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**Section 5. Fire Fighting Measures**

Flash Point: 150 °F Method Used: Tagliabue Closed Cup

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

Extinguisher Media: Water fog, foam, dry chemical or carbon dioxide.

Special Fire Fighting Procedures: Water spray may be ineffective in fighting fires, but may be used to cool closed containers. Full protective equipment including self-contained breathing apparatus should be used.

Unusual Fire And Explosion Hazards: Product is combustible. Keep away from heat, sparks, and open flames.

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**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.

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**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.

**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.

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**Section 8. Exposure Controls and Personal Protection**

**Respiratory Protection:** Use NIOSH / MSHA approved respirator where high vapor or mist concentrations are present.

**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.

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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 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.

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**Section 9. Physical and Chemical Properties**

Boiling Point:	N/E	Degree of water solubility:
Specific Gravity (H <sub>2</sub> O=1):	0.8 - 0.9	Negligible = Less than 0.1%
Vapor Pressure (mm Hg):	N/E	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):	7 - 7.2 lbs/gal	
% Volatile by Volume:	100	
% Solid by Weight:	0	
Appearance and Odor:	Clear, red liquid with a hydrocarbon odor.	
Theoretical VOC: (>0.1 mm Hg @ 20 ° C)	4.3 - 4.4 lbs/gal	
Analytical VOC : (EPA method 24)	N/E	
pH:	N/A, product is solvent based.	

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**Section 10. Stability and Reactivity**

Stability: Stable. Hazard Polymerization: Will not occur.  
Conditions to Avoid: COMBUSTIBLE! Keep from heat, sparks, and open flames.  
Incompatibility (Materials to Avoid): Strong oxidizers and acids.  
Hazardous Decomposition Products: Oxides of carbon.

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**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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Hydrotreated Middle Distillate [CASRN 064742-46-7]

ACUTE HEALTH HAZARDS: Practically non-toxic. May cause nausea, vomiting, and diarrhea.

CHRONIC HEALTH HAZARDS: Dermatitis, pneumonitis and pulmonary edema. According to IARC Monographs, severely hydrotreated oils, such as this product, are not considered carcinogenic.

SIGNS & SYMPTOMS: Headache, drowsiness, eye, respiratory or skin irritation, nausea, numbness. [19,15-19,7,3,5,D,A,A-010194]

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]

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**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]

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**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

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**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. (HYDROTREATED MIDDLE DISTILLATE), PG III

International: UN1993, FLAMMABLE LIQUID, N.O.S. (HYDROTREATED MIDDLE DISTILLATE), 3, PG III

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**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.

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**Section 16. Other Information**

This MSDS contains revisions in the following sections: New product

Prepared by: General Chemical

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.