

FoundryGeneral® Mold Release 168 --

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

Hazardous Component(s)	CAS #	PEL TWA	PEL Ceiling	TLV TWA	TLV STEL	MFG Limits	WGT %
Aliphatic hydrocarbons	64742-88-7	5 mg/m3	N/E	5 mg/m3*	10 mg/m	100 ppm	> 80
Silicone, amine functional	Proprietary	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: NO

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

Target Organs: Kidneys and blood.

FoundryGeneral® Mold Release 168 --

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: 105 ° F (minimum) Method Used: Tagliabue Closed Cup

Flammable Limits in Air % by Volume: LEL: 1 UEL: 7; for aliphatic hydrocarbons.

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

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: Do not use aluminum or galvanized steel for pumping, storage, or transfer. 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.

Section 8. Exposure Controls and Personal Protection

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

Local Exhaust: Do not use in closed or confined spaces. Open doors and/or windows. Use ventilation to maintain exposure levels below exposure limits.

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

FoundryGeneral® Mold Release 168 --

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. Wear a chemical resistant apron and boots where splashing is possible.

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.

Section 9. Physical and Chemical Properties

Boiling Point:	320 °F (initial)	Degree of water solubility:
Specific Gravity (H ₂ O=1):	0.77-0.80	Negligible = Less than 0.1%
Vapor Pressure (mm Hg):	< 5 @ 100 °F	Slight = 0.1% - 1%
Vapor Density (air=1)	~ 4.7	Moderate = 1% - 10%
Solubility in Water:	Negligible.	Appreciable = More than 10%
Reactivity in Water:	None.	Complete = 100%
Weight per Gallon (lb/gal):	6.5 - 6.6 lbs/gal	
% Volatile by Volume:	87-89%	
% Solid by Weight:	11-13%	
Appearance and Odor:	Clear, colorless or blue liquid with a hydrocarbon odor.	
Theoretical VOC: (>0.1 mm Hg @ 20 ° C)	5.5 - 6.0 lbs/gal	
Analytical VOC : (EPA method 24)	N/E	
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 oxidizing agents.

Hazardous Decomposition Products: Unidentified organic compounds and oxides of carbon.

Section 11. Toxicological Information

Solvent naphtha, medium aliphatic [CASRN 064742-88-7]

ACUTE TOXICITY Oral LD50 (rat) > 25 mL/kg Eye Irritation: negligible (rabbit)
Dermal LD50 (rabbit) > 4 mL/kg Skin Irritation: moderate (rabbit)
Inhalation LC50 (rat) > 700 ppm/4 hour

Other Testing: Animal data suggest that slight anemia, adaptive liver changes, and kidney toxicity (male rat nephropathy) may be caused by repeated over exposure to some similar solvents. The relevance of this effect to man is unknown.

FoundryGeneral® Mold Release 168 --

Neurotoxicity: Repeated exposures which cause acute neurological effects may also cause long-term neurological deficits in humans.

Carcinogenicity: Animal data suggest that repeated dermal exposures that cause severe skin irritation may cause or promote skin cancer. [18,7-18,18,3,D,I-060500]

Modified Silicone Fluid [Proprietary]

ACUTE TOXICITY Inhalation LC50 (rat) ~ 4 mg/L, 4 hr (estimated*)

*Toxicological testing of similar products in 1994: Two groups of five male and five female albino Sprague Dawley rats were exposed for 4 hours, using whole-body exposure methods, to aerosol concentrations of 1.2 and 1.9 mg/L. If concentrations higher than 1.9 mg/L could be generated and extrapolating upward from the two available data points, the 4 hour LC50 would be approximately 4 mg/L. [6-6,15,17,O,B,F,F,18,18,0,5,18-020800]

Section 12. Ecological Information

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: UN1268, PETROLEUM DISTILLATES, N.O.S., COMBUSTIBLE LIQUID, PG III

International: UN1268, PETROLEUM DISTILLATES, N.O.S., 3, PG III

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:

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.