

**FoundryGeneral® Foundry Adhesive 150 --**

**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>
Mineral oil, sev. hydrotreated	64742-52-5	5 mg/m3	N/E	5 mg/m3*	10 mg/m	N/E	50 - 70
Kaolin clay	1332-58-7	5 mg/m3 respirabl		2 mg/m3	N/E	N/E	< 10
Hexamethylenetetramine	100-97-0	5 mg/m3 respirabl		10 mg/m3	N/E	N/E	< 5
Salicylic acid	69-72-7	N/E	N/E	N/E	N/E	N/E	< 5
Phenol	108-95-2	5 ppm	N/E	5 ppm	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: \* 1  
Fire: 1  
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:** Prolonged or repeated contact can cause irritation.

**EYES:** Liquid and vapor contact produces irritation.

**INGESTION:** Small amounts swallowed during normal handling operations are not likely to cause injury. Swallowing larger amounts may cause injury.

**FoundryGeneral® Foundry Adhesive 150 --**

---

**Chemical Listed as Potential Carcinogens:**

NTP: NO

IARC: NO

OSHA: NO

Target Organs: Kidneys.

---

**Section 5. Fire Fighting Measures**

Flash Point: 428 °F

Method Used: Pensky-Martens Closed Cup

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

Extinguisher Media: Water spray, dry chemical, carbon dioxide, or foam (regular).

Special Fire Fighting Procedures: Wear a self-contained breathing apparatus when fighting fire in an enclosed area.

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

---

**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 RQ Phenol = 1,000 lbs. Product RQ = 74,000 lbs.

---

**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: 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: 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: 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.

---

**FoundryGeneral® Foundry Adhesive 150 --**

---

**Section 9. Physical and Chemical Properties**

Boiling Point:	N/E	Degree of water solubility:
Specific Gravity (H <sub>2</sub> O=1):	0.9-1.1	Negligible = Less than 0.1%
Vapor Pressure (mm Hg):	< 0.01 mm Hg	Slight = 0.1% - 1%
Vapor Density (air=1)	> 5	Moderate = 1% - 10%
Solubility in Water:	Negligible.	Appreciable = More than 10%
Reactivity in Water:	None.	Complete = 100%
Weight per Gallon (lb/gal):	8 - 9 lbs/gal	
% Volatile by Volume:	N/E	
% Solid by Weight:	N/E	
Appearance and Odor:	Thick, yellow to orange liquid.	
Theoretical VOC: (>0.1 mm Hg @ 20 ° C)	0 lbs/gal	
Analytical VOC : (EPA method 24)	N/E	
pH:	N/A	

---

**Section 10. Stability and Reactivity**

Stability: Stable.	Hazard Polymerization: Will not occur.
Conditions to Avoid:	Heat, sparks, or open flames.
Incompatibility (Materials to Avoid):	Strong oxidizing agents.
Hazardous Decomposition Products:	Oxides of carbon and phenolics.

---

**Section 11. Toxicological Information**

Kaolin clay [CASRN 001322-58-7]

Not Available

Hexamethylenetetramine [CASRN 000100-97-0]

Not available

Salicylic acid [CASRN 000069-72-7]

**ACUTE TOXICITY**

Oral LD50 (rat) = 891 mg/kg

Phenol [CASRN 000108-95-2]

**ACUTE TOXICITY** Oral LD50 (rat) = 317 mg/kg

Dermal LD50 (rabbit) = 630 mg/kg

Inhalation LC50 (rat) = 316 mg/m<sup>3</sup>

Eye Irritation (Draize-rabbit): Severe irritation (500 mg/24hr)

Dermal Irritation (Draize-rabbit): Severe irritation (5 mg) [18,8-15-120197]

---

**Section 12. Ecological Information**

**FoundryGeneral® Foundry Adhesive 150 --**

---

Kaolin clay [CASRN 001322-58-7]

Not Available

Hexamethylenetetramine [CASRN 000100-97-0]

Not available

Salicylic acid [CASRN 000069-72-7]

Not available

Phenol [CASRN 000108-95-2]

**ECOTOXICITY**

This material is expected to be toxic to aquatic life. The LC50(96 hr) values for fish are between 10 and 100 mg/l.

**Environmental Fate:**

When released into the soil, this material is expected to readily biodegrade. when released in the soil, this material is not expected to leach into groundwater. when released into the soil, this material is expected to have a half-life between 1 and 10 days. When released into water, this material is expected to readily biodegrade. When released into water, this material is expected to have a half-life between 10 and 30 days. This material has an estimated bioconcentration factor (BCF) of less than 100. This material is not expected to significantly bioaccumulate. When released into the air, this material is expected to be readily degraded by reaction with photochemically produced hydroxyl radicals. When released into the air, this material may be moderately degraded by photolysis. when released into the air, this material is expected to have a half-life of less than 1 day. [18,8-15-120197]

---

**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 deminis concentrations and may be subject to reporting under section 313:

Phenol, CAS# 108-95-2, 1 - 2%

---

**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

Page 5 of 5

**FoundryGeneral® Foundry Adhesive 150 --**

---

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.