

**Section 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

Product Name: Black Epoxy-Hot Mount Epoxy Molding Compound  
Part Number: BLACKEDGE-(all sizes)  
Relevant Use: Industrial / Molding Compound  
Manufacturer: Sturbridge Metallurgical Services Inc.  
City, State, Zip: Sturbridge MA 01566  
Phone Number: 508-347-5288  
Emergency Phone: **CHEMTRECT 1-800-424-9300**

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**Section 2: Hazard(s) Identification**

**Hazardous classification of the substance or mixture:**

Hazard Class	Category code
Carcinogenicity	2
Chronic Aquatic Toxicity	3

**Signal word:** Warning

**Pictogram:**



**Hazard Statements:**

H351 - Suspected of causing cancer  
H412 - Harmful to aquatic life with long lasting effects  
H232 - May form combustible dust concentrations in air

**Precautionary Statements:**

P202 - Do not handle until all safety precautions have been read and understood  
P264 - Wash hands, forearms and face thoroughly after handling  
P273 - Avoid release to the environment  
P280 - Wear protective gloves/protective clothing/eye protection/face protection

**Disposal statement:**

P501 Dispose of contents in accordance with local, state, federal and international regulations.

**Other hazards:** High concentration of airborne dust may form an explosive mixture with air. Ensure that good housekeeping practices are followed, as well as applicable guidelines such as National Fire Protection Association (NFPA) 654 "Prevention of Fire and Dust explosions from the Manufacturing, Processing, and Handling of Combustible Particulate Solids."

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**Section 3: Composition/Information on Ingredients**

Chemical Name	CAS No.	% Concentration
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Titanium Dioxide	13463-67-7	<3
Glass Fiber (respirable nuisance dust)	65997-17-3	<50
Proprietary inert mineral (respirable nuisance dust)		<40
Aluminum Silicate (respirable nuisance dust)	1332-58-7	<20
Epoxy Novolac Polymer	29690-82-2	<20
Phenolic Polymer	9003-35-4	<10
Carbon Black*	1333-86-4	0.1 - 1

\*See section 11

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#### Section 4: First-Aid Measures

##### First-aid measures general

Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible). Suspected of causing cancer.

##### First-aid measures after inhalation

Call a POISON CENTER or doctor/physician if you feel unwell. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Allow victim to breathe fresh air. All the victim to rest.

##### First-aid measures after skin contact

Wash with plenty of soap and water for several minutes. Wash contaminated clothing before reuse. Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.

##### First-aid measures after eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if pain, blinking or redness persist. Rinse immediately with plenty of water.

##### First-aid measures after ingestion

Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell. Obtain emergency medical attention.

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#### Section 5: Fire-Fighting Measures

##### Suitable extinguishing media

Foam. Dry Powder. Carbon Dioxide. Water spray. Sand.

##### Unsuitable extinguishing media

Do not use a heavy water stream

##### Explosion hazard

High concentration of airborne dust may form an explosive mixture with air.

##### Reactivity

Thermal decomposition generates: Corrosive vapors.

##### Firefighting Instructions

Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.

##### Protection during firefighting

Do not enter fire area without proper protective equipment, including respiratory protection.

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**Section 6: Accidental Release Measures****Personal Precautions, Protective Equipment and Emergency Procedures**

Remove ignition sources. Use special care to avoid static electric charges. No open flames. No smoking. Evacuate unnecessary personnel. Equip clean-up crew with proper protection. Ventilate area.

**Cleanup and Containment Methods and Materials**

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment. On land, sweep or shove into suitable containers. Minimize generation of dust. Store away from other materials.

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**Section 7: Handling and Storage****Additional hazards when processed**

Avoid breathing fumes from molding or other processes involving heat. Avoid breathing dusts from cutting, machining or deflashing operations. Guard against dust accumulation of this material. High concentrations of airborne dust may form explosive mixture with air. As with all chemicals, good industrial hygiene practices should be followed when handling this material.

**Precautions for safe handling**

Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

**Hygiene measures**

Do not eat, drink or smoke when using this product. Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace.

**Storage Conditions**

Comply with applicable regulations.

Keep only in the original container. Keep container closed when not in use. Keep only in the original container in a cool, well ventilated place away from:

- Incompatible products:** Strong bases. Strong acids.
- Incompatible materials:** Sources of ignition. Direct sunlight.
- Storage area:** Store in a cool, dry place below 40 degrees F.

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**Section 8: Exposure Controls/Personal Protection Exposure Limits**

Component	CAS No.	ACGIH TLV	OSHA PEL
Titanium Dioxide	13463-67-7	10 mg/m <sup>3</sup>	15 mg/m <sup>3</sup>
Glass Fiber (respirable nuisance dust)	65997-17-3	10 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>
Proprietary inert mineral (respirable nuisance dust)		NE	5 mg/m <sup>3</sup>
Aluminum Silicate (respirable nuisance dust)	1332-58-7	5 mg/m <sup>3</sup>	
Epoxy Novolac Polymer	29690-82-2	NE	5 mg/m <sup>3</sup>
Phenolic Polymer	9003-35-4	NE	NE
Carbon Black	1333-86-4	3.5 mg/m <sup>3</sup>	3.5 mg/m <sup>3</sup>

**Personal protective equipment:** Avoid all unnecessary exposure,

**Hand protection:** Wear protective gloves.

**Eye protection:** Wear safety glasses or goggles.

**Skin and body protection:** Wear suitable protective clothing.

**Respiratory protection:** Where exposure through inhalation may occur from use, respiratory protection equipment is recommended. Wear appropriate mask.

**Other information:** Do not eat, drink or smoke during use.

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## Section 9: Physical and Chemical Properties

**Physical state:** Solid

**Appearance:** Black colored granules

**Color:** Black

**Odor:** Characteristic odor mild odor

**Odor Threshold:** No data available

**pH:** No data available

**Melting Point:** No data available

**Freezing Point:** No data available

**Boiling Point:** No data available

**Flash Point:** No data available

**Relative evaporation rate (butyl acetate=1):** No data available

**Flammability (solid, gas):** No data available

**Explosion limits:** No data available

**Explosive properties** No data available

**Oxidizing properties** No data available

**Vapor pressure:** Negligible at 20 °C

**Relative density:** 1.9 – 2.15

**Relative vapor density at 20 °C:** No data available

**Specific gravity / density:** 1.9 – 2.15 g/cm<sup>3</sup>

**Solubility:** Negligible in water

**Log Pow:** No data available

**Log Kow:** No data available

**Auto-ignition temperature:** No data available

**Decomposition temperature:** No data available

**Viscosity:** No data available

**Viscosity, kinematic:** No data available

**Viscosity, dynamic:** No data available

**Other:** No additional information available

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## Section 10: Stability and Reactivity

**Stability:** Thermal decomposition generates: Corrosive vapors.

**Chemical stability:** Stable under recommended handling and storage conditions (see section 7). Not established.

**Possibility of hazardous reactions:** Not established

**Conditions to avoid:** Direct sunlight. Extremely high or low temperatures.

**Incompatibilities:** Strong acids. Strong bases.

**Hazardous Decomposition Products:** Hazardous Decomposition Products: Phenol, formaldehyde alkyl phenols, COx, and aromatic hydrocarbons may be generated at elevated temperatures (>540 degrees celsius). fume. Carbon monoxide. Carbon dioxide.

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## Section 11: Toxicological Information:

**Acute Toxicity** – Not classified

**Skin Corrosion and Irritation:** - Not classified

**Serious Eye Damage and Irritation:** Not classified  
**Respiratory or Skin Sensitization:** Not classified  
**Germ Cell Mutagenicity:** Not classified, Based on available data, the classification criteria are not met.  
**Carcinogenicity:** Suspected of causing cancer

**Carbon black (1333-86-4)**

**IAARC group:** - 2B- Possible carcinogenic to humans  
**Reproductive Toxicity:** Not classified  
**Specific Target Organ Toxicity from Single Exposure:** Not classified  
**Specific Target Organ Toxicity from Repeated Exposure:** Not classified  
**Aspiration Hazard:** Not classified  
**Potential Adverse human health effects and symptoms:** Based on available data, the classification criteria are not met.

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**Section 12: Ecological Information**

**Toxicity**

**Ecology – water:** Harmful to aquatic life. Harmful to aquatic life with long lasting effects.  
**Persistence and degradability:** May cause long term adverse effects in the environment.  
**Bioaccumulative potential:** Not established.  
**Mobility in soil:** No additional information available  
**Other adverse effects:** Avoid release to the environment

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**Section 13: Disposal Considerations**

Dispose in a safe manner in accordance with all local/national regulations. Dispose of contents/container in accordance with all federal, state, and local health and environmental regulations.  
Avoid release to the environment.

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**Section 14: Transportation Information**

**Department of Transportation (DOT, United States of America)**  
In accordance with DOT. Not regulated for transport.

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**Section 15: Regulatory Information**

**US Federal Regulations**

**Carbon black (1333-86-4)**  
Listed on the United States TSCA (Toxic Substance Control Act) inventory

**International Regulations**

**Canada**  
No additional information available

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**Section 16: Other Information**

**Disclaimer:** The information above is believed to be accurate and represents the best information currently available to us. SMS, Inc. makes no warranty, express or implied, as to its accuracy, and we assumes no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. We shall not be liable for any damages to person or property resulting from its use.