

SAFETY DATA SHEET

EMERGENCY CONTACT

1-800-255-3924

revision date JAN 2021



4011 Hyde Park Blvd.
P. O. Box 1075
Niagara Falls, NY 14302-1075
Telephone: (716) 282-6950
Fax: (716) 282-6971
www.metlabcorp.com

1. Identification

1.1. Product identifier

Trade name: Black Epoxy Powder Course / Fine (Glass Filled)
Product form: Mixture

2. Hazards identification

2.1. Classification of the substance or mixture

Classification (GHS-US)

Carc. 2 H351
STOT RE 2 H373
Full text of H-phrases: see section 16

2.2. Label elements

GHS-US labeling

Hazard pictograms:

Signal word: Danger



GHS08

Hazard statements:

H351 - Suspected of causing cancer
H373 - May cause damage to organs through prolonged or repeated exposure
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
P501 - Dispose of contents/container in accordance with all federal, state, and local health and environmental regulations.

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2.3. Other hazards

Other hazards not contributing to the classification:

Phenol, formaldehyde, and ammonia vapors may be released during molding processes. Overexposure to these vapors may cause irritation to eyes, nose, throat, and skin. Sensitized individuals may experience allergic skin reactions. Exposure to dust from machining operations may cause nose and throat irritation. 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."

3. Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
diatomaceous earth, uncalcined	(CAS No) 61790-53-2	10 - 20	STOT RE 2, H373
hexamethylenetetramine	(CAS No) 100-97-0	3 - 10	Flam. Sol. 2, H228 Skin Sens. 1, H317
carbon black	(CAS No) 1333-86-4	0.1 - 1	Carc. 2, H351

Full text of H-phrases: see section 16

4.1. Description of 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).

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. Allow the victim to rest.

First-aid measures after skin contact:

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 immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.

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.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries:

Causes damage to organs.

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4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

5. Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media: Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Explosion hazard: high concentration of airborne dust may form an explosive mixture with air.

5.3. Advice for firefighters

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.

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures: Remove ignition sources. No open flames. No smoking.

6.1.1. For non-emergency personnel

Emergency procedures Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment: Equip cleanup crew with proper protection.
Emergency procedures: Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up: On land, sweep or shovel into suitable containers. Minimize generation of dust. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

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7. Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed: Avoid breathing fumes from molding or other processes involving heat. Avoid breathing dusts from cutting, machining or de-flashing 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. Avoid breathing dust/fume/gas/mist/vapors/spray.

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.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures: Proper grounding procedures to avoid static electricity should be followed.

Storage conditions: Keep only in the original container. Keep container closed when not in use. Keep cool. 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 cool, dry place.

7.3. Specific end use(s)

No additional information available

8. Exposure controls/personal protection

8.1. Control parameters

BLACK EPOXY POWDER (COURSE/GLASS FILLED)	
ACGIH	Not applicable
OSHA	Not applicable
hexamethylenetetramine (100-97-0)	
ACGIH	Not applicable
OSHA	Not applicable

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diatomaceous earth, uncalcined (61790-53-2)

ACGIH	Not applicable	
OSHA	Remark (OSHA)	(3) See Table Z-3.

carbon black (1333-86-4)

ACGIH	ACGIH TWA (mg/m ³)	3 mg/m ³
ACGIH	Remark (ACGIH)	Bronchitis
OSHA	OSHA PEL (TWA) (mg/m ³)	3.5 mg/m ³

8.2. Exposure controls

Personal protective equipment:	Avoid all unnecessary exposure.
Hand protection:	Wear protective gloves.
Eye protection:	Chemical goggles or safety glasses.
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.

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	Solid
Appearance:	Black Colored Granules.
Color:	Black
Odor:	Characteristic
Odor threshold:	Characteristic odor Mild odor
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:	Mixtures of fine dust and air can create an explosion hazard.
Oxidizing properties:	No data available
Vapor pressure:	No data available
Relative density:	1.7 - 1.8
Relative vapor density at 20 °C:	No data available
Specific gravity / density:	1.7 - 1.8 g/cm ³
Solubility:	Water: Solubility in water of component(s) of the mixture : • hexamethylenetetramine: > 80 g/100ml • calcium hydroxide: 0.2 g/100ml • : insoluble • silicon dioxide, amorphous: 0.15 g/100ml • diatomaceous earth, uncalcined: insoluble • calcium stearate: 0.0040 g/100ml • stearic acid: 0.0003 g/100ml • : < 0.00001 g/100ml • : <0.01 g/100ml
Log Pow:	No data available

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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

9.2. Other information

Minimum ignition energy : Typically >550 degrees celsius by Pensky-Martens method

10. Stability and reactivity

10.1. Reactivity

Thermal decomposition generates: Corrosive vapors.

10.2. Chemical stability

Stable under recommended handling and storage conditions (see section 7). Not established.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures. Open flame. Overheating. Heat. Sparks.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fumes. Carbon monoxide. Carbon dioxide. May release flammable gases. Thermal decomposition generates: Corrosive vapors.

11. Toxicological information

11.1. Information on toxicological effects

Acute toxicity: Not classified

hexamethylenetetramine (100-97-0)	
LD50 oral rat	> 5000 mg/kg (Rat)

Skin corrosion/irritation: Not classified

Serious eye damage/irritation: Not classified

Respiratory or skin sensitization: Not classified

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Germ cell mutagenicity: Not classified
Based on available data, the classification criteria are not met

Carcinogenicity: Suspected of causing cancer.

diatomaceous earth, uncalcined (61790-53-2)	
IARC group	3 - Not classifiable
carbon black (1333-86-4)	
IARC group	2B - Possibly carcinogenic to humans

Reproductive toxicity: Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure): Not classified

Specific target organ toxicity (repeated exposure): May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard: Not classified

Potential Adverse human health effects and Symptoms: Based on available data, the classification criteria are not met.

12. Ecological information

12.1. Toxicity

hexamethylenetetramine (100-97-0)	
LC50 fish 1	49800 mg/l (LC50; 96 h)
EC50 Daphnia 1	36000 mg/l (EC50; 48 h)

12.2. Persistence and degradability

BLACK EPOXY POWDER (COURSE/GLASS FILLED)	
Persistence and degradability	Not established.
hexamethylenetetramine (100-97-0)	
Persistence and degradability	Hydrolysis in water.
Biochemical oxygen demand (BOD)	0.026 g O ₂ /g substance
ThOD	1.37 g O ₂ /g substance (NH ₃)
BOD (% of ThOD)	0.01897
diatomaceous earth, uncalcined (61790-53-2)	
Persistence and degradability	Biodegradability: not applicable.
Biochemical oxygen demand (BOD)	Not applicable
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable

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12.3. Bioaccumulative potential

BLACK EPOXY POWDER (FINE/GLASS FILLED)	
Bioaccumulative potential	Not established.
hexamethylenetetramine (100-97-0)	
Log Pow	-4.15 - -2.13
Bioaccumulative potential	Bioaccumulation: not applicable.
diatomaceous earth, uncalcined (61790-53-2)	
Bioaccumulative potential	No bioaccumulation data available.

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Effect on the global warming: No known ecological damage caused by this product.

Other information: Avoid release to the environment.

13. Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations: Dispose in a safe manner in accordance with local/national regulations.
Dispose of contents/container in accordance with all federal, state, and local health and environmental regulations.

Ecology - waste materials: Avoid release to the environment.

14: Transport information

Department of Transportation (DOT)

In accordance with DOT
Not regulated for transport
Additional information
Other information: No supplementary information available.

ADR

No additional information available

Transport by sea

No additional information available

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Air transport

No additional information available

15. Regulatory information

15.1. US Federal regulations

hexamethylenetetramine (100-97-0)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
diatomaceous earth, uncalcined (61790-53-2)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
carbon black (1333-86-4)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2. International regulations

CANADA

No additional information available

EU-Regulations

No additional information available

National regulations

carbon black (1333-86-4)

Listed on IARC (International Agency for Research on Cancer)

15.3. US State regulations

carbon black (1333-86-4)				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significance level (NSRL)
Yes	No	No	No	

16. Other information

Indication of changes:

Revision - See : *.

Other information:

None.

Full text of H-phrases:

Carc. 2	Carcinogenicity Category 2
Flam. Sol. 2	Flammable solids Category 2
Skin Sens. 1	Skin sensitization Category 1
STOT RE 2	Specific target organ toxicity (repeated exposure) Category 2
H228	Flammable solid
H317	May cause an allergic skin reaction
H351	Suspected of causing cancer
H373	May cause damage to organs through prolonged or repeated exposure

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