

HUDSON

MATERIAL SAFETY DATA SHEET

DATE PREPARED: 12/11/2002

MSDS No: MPBE3-50

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT DESCRIPTION: Black Epoxy, 50 lb container**PRODUCT CODE:** MPBE3-50**MANUFACTURER**

Hudson Supply Company

4500 Lee Rd

Cleveland, OH 44128-2959

Customer Service: (800) 486-0480**24 HR. EMERGENCY TELEPHONE NUMBERS****CHEMTREC (U.S.):** (800) 424-9300**Emergency Phone:** (800) 424-9300

2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>Wt. %</u>	<u>CAS#</u>
Epoxy Resin	20 - 30	
Carbon black	>1	1333-86-4
Calcium Silicate	10 - 20	1344-95-2
Brominated phenyl ether	<2	
Antimony Trioxide	<2	1309-64-4
Crystalline Silica	40 - 50	14808-60-7

COMPONENTS :**EXPOSURE LIMITS**

<u>Chemical Name</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>Supplier</u>
Epoxy Resin			
Carbon black	3.5 mg/m ³	3.5 mg/m ³	
Calcium Silicate	10 mg/m ³	10 mg/m ³	
Brominated phenyl ether			
Antimony Trioxide	.05 mg/m ³	.05 mg/m ³	
Crystalline Silica	.1 mg/m ³	.1 mg/m ³	

3. HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS**EYES:** Slightly irritating to the eyes.

SKIN: Repeated skin contact can cause an allergic reaction in some individuals.

INGESTION: Possibly harmful if swallowed.

INHALATION: May cause significant irritation to the lungs, upper respiratory tract and nose.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

INHALATION: Repeated and prolonged dust inhalation can cause lung involvement such as pneumoconiosis. Crystalline silica is listed by IARC as a cancer-causing agent. Carbon black is listed by IARC as a potential cancer-causing agent.

4. FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water for two to three minutes. Remove any contact lenses and continue flushing for 15 minutes. Get medical attention.

SKIN: Wash thoroughly with soap and water.

INGESTION: If swallowed, dilute with large amounts of water. Do not induce vomiting. Consult physician if unusual reaction is noted.

INHALATION: Remove individual to fresh air.

5. FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD: Not Applicable

FLAMMABLE LIMITS: N/A to N/A

AUTOIGNITION TEMPERATURE: Not Applicable

EXTINGUISHING MEDIA: Water spray (Fog), foam and carbon dioxide.

FIRE FIGHTING PROCEDURES: None

FIRE FIGHTING EQUIPMENT: Fire fighters should wear goggles and self-contained breathing apparatus to avoid inhalation of smoke or vapors.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Ordinary precautions for dust and particulates.

LARGE SPILL: Sweep or vacuum spills into appropriate containers for disposal. Follow standard landfill methods consistent with applicable Federal, State and Local laws.

7. HANDLING AND STORAGE

HANDLING: Avoid generating dust during handling. Provide appropriate exhaust ventilation at places where dust can be generated. Wear eye protection (goggles, safety glasses or safety mask.) Wash hands with soap and water.

STORAGE: Store in unopened containers under cool and dry conditions.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Provide sufficient local exhaust and general ventilation to maintain exposure below PEL(s), especially for spraying operations which produce mists.

PERSONAL PROTECTION

EYES AND FACE: Wear safety glasses while sanding or grinding. OSHA 29 CFR 1910.133.

SKIN: Wear gloves to prevent abrasion and/or skin irritation.

RESPIRATORY: Use NIOSH/MSHA approved air supplied respirator in absence of proper environmental control.

PROTECTIVE CLOTHING: Long sleeves

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Solid

ODOR: Mildly scented.

APPEARANCE: Granular

COLOR: Black

PERCENT VOLATILE: 0

VAPOR PRESSURE: Negligible

BOILING POINT: Not Applicable

FREEZING POINT: Not Applicable

MELTING POINT: Not Applicable

SOLUBILITY IN WATER: Negligible

EVAPORATION RATE: Not Applicable

SPECIFIC GRAVITY: .9

VISCOSITY: Not Applicable

10. STABILITY AND REACTIVITY

STABLE: YES

HAZARDOUS POLYMERIZATION: NO

HAZARDOUS DECOMPOSITION: Oxides of Carbon and brominated compounds when burned

11. TOXICOLOGICAL INFORMATION

COMMENTS: No data available for this mixture. Two chronic inhalation studies have found an increase in benign and malignant tumors in rats exposed to concentrations of antimony trioxide of 4.2 and 50 mg/m³.

12. ECOLOGICAL INFORMATION

COMMENTS: Not Applicable

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Antimony trioxide is listed as a hazardous waste. Reportable quantity 1,000 lbs. of antimony trioxide, SARA 313/Superfund. Landfill at a permitted facility in accordance with local and state regulations.

14. TRANSPORT INFORMATION

COMMENTS: Not Applicable

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

313 REPORTABLE INGREDIENTS: Antimony Trioxide

16. OTHER INFORMATION

APPROVED BY: David C. Dillon **TITLE:** Systems Administrator

APPROVAL DATE: 12/11/2002

REVISION SUMMARY New MSDS

NFPA CODES

FIRE: 1 **HEALTH:** 1 **REACTIVITY:** 0

MANUFACTURER DISCLAIMER: Information given herein is offered in good faith as accurate, but without guarantee. Conditions of use and suitability of the product for particular uses are beyond our control; all risks of use of the product are therefore assumed by the user. Nothing is intended as a recommendation for uses which infringe valid patents or as extending license under valid patents. Appropriate warnings and safe handling procedures should be provided to handlers and users.