



MATERIAL SAFETY DATA SHEET

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Page: 1

DATE PREPARED: 02/28/2001

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Manufactured For:
The Easthill Group DbA/The Eastwood Company
263 Shoemaker Road
Pottstown, PA 19464
USA & Canada: 800-345-1178
Outside USA: 610-323-2200
Emergency contact: Chem-Trec: 800-424-9300

2. COMPOSITION/INFORMATION ON INGREDIENTS

	wt. %	CAS Registry #
Barium sulphate	25 - 35	7727-43-7
Carbon black	- 1	1333-86-4

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)

	OSHA PEL	EXPOSURE LIMITS ACGIH TLV	Supplier
Barium sulphate	5 mg/m3	10 mg/m3	
Carbon black	3.5 mg/m3	3.5 mg/m3	

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE:

Finely divided powder.

IMMEDIATE CONCERNS:

Do not breathe dust, may cause respiratory tract irritation. May cause skin or eye irritation. Do not swallow. Do not generate dust clouds.

POTENTIAL HEALTH EFFECTS

EYES:

Mildly irritating to the eyes.



WORKING COPY

Page: 2

DATE PREPARED: 02/28/2001

SKIN:

Is not expected to cause skin irritation.

INGESTION:

Not hazardous in normal industrial use. Wash hands before eating drinking or smoking.

INHALATION:

Temporary discomfort to the upper respiratory tract may occur due to mechanical irritation. Refer to ingredients individual exposure limits. If none are listed powder coatings should be considered a nuisance dust with the following exposure limits: OSHA PEL-5mg/m³ (respirable particulates), 15mg/m³ (total particulates); ACGIH TLV- 10mg/m³ (total particulates).

ROUTES OF ENTRY:

Eyes, inhalation.

TARGET ORGANS:

Eyes, respiratory tract.

4. FIRST AID MEASURES

EYES:

Hold eye lids apart and flush with plenty of water for at least 15 minutes.

SKIN:

Wash with soap and water.

INGESTION:

Obtain medical attention. Rinse mouth with water. Drink one cup of water. If vomiting occurs drink more water. Never give anything by mouth to anyone unconscious.

INHALATION:

Remove to fresh air. If not breathing give artificial respiration. If symptoms persist seek medical attention.

5. FIRE FIGHTING MEASURES

Flammable Limits: 30-70g/m³

FLAMMABLE CLASS:

While in bulk storage the HMIS/NFPA flammability rating is 1. When powder is suspended in air above their LEL their rating is 4.

EXTINGUISHING MEDIA:

Foam, water spray or fog, carbon dioxide or dry chemical.



WORKING COPY

Page: 3

DATE PREPARED: 02/28/2001

HAZARDOUS COMBUSTION PRODUCTS:

Carbon dioxide, carbon monoxide, etc.

EXPLOSION HAZARDS:

As with all dusts, when suspended in air powder coatings may be ignited by an open flame or electrical spark.

FIRE FIGHTING PROCEDURES:

Fire fighters exposed to the by products of combustion should be equipped with approved NIOSH breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL:

Vacuum or sweep up material and place in a disposal container. Use only an explosion proof vacuum and non sparking tools. Do not generate dust clouds.

LARGE SPILL:

As with small spill.

7. HANDLING AND STORAGE

GENERAL PROCEDURES:

Keep dusting to a minimum.

HANDLING:

Wash hands with soap and water after handling, especially before eating or smoking.

STORAGE:

Store in a dry, cool place below 80 f.

SHELF LIFE:

6 months unless otherwise noted.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

PERSONAL PROTECTION

EYES AND FACE:

As a minimum safety glasses should be worn. Facilities storing or utilizing this material should be equipped with an eye wash facility.



WORKING COPY

Page: 4

DATE PREPARED: 02/28/2001

RESPIRATORY:

Avoid breathing the dust. Use an approved NIOSH/MSHA respirator. Consult your respirator manufacturer for the correct equipment.

PROTECTIVE CLOTHING:

Wear protective clothing and suitable impervious gloves.

WORK HYGIENIC PRACTICES:

Maintain a clean working environment. Keep dusts levels to a minimum. Wash thoroughly before eating, drinking or smoking.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Solid
Odor: None
Appearance: powder
Color: Varies
pH: None
Vapor Pressure: None
Boiling Point: None
Freezing Point: None
Melting Point: $>120^{\circ}\text{C}$
Solubility in Water: Insoluble
Evaporation Rate: None
Specific Gravity: 1.2 to 1.8 (water=1)
Viscosity: None
(VOC): <1

10. STABILITY AND REACTIVITY

STABLE: Yes

HAZARDOUS POLYMERIZATION: No

STABILITY:

stable

POLYMERIZATION:

will not occur

CONDITIONS TO AVOID:

High temperatures during storage.



WORKING COPY

Page: 5

DATE PREPARED: 02/28/2001

HAZARDOUS DECOMPOSITION:

Smoke, soot and toxic/ irritating fumes (i.e. Carbon dioxide, carbon monoxide etc.)

INCOMPATIBLE MATERIALS:

Oxidizers, acids.

11. TOXICOLOGICAL INFORMATION

EYE EFFECTS:

Dust may be irritating to the eyes.

CARCINOGENICITY:

IARC: None

NTP: None

OSHA: None

GENERAL COMMENTS:

Carbon Black

Inhalation studies in rats have shown increased rates of benign and malignant lung tumors. Solvent extracts of carbon black have been shown to be carcinogenic to the skin of mice. However, epidemiological studies on carbon black workers in the United States show no increase incidents of cancer deaths compared to the general population.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA:

Not Available

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD:

Dispose in accordance with all local, state and federal regulations.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

U.S. Surface Freight Class: 55

Bulk Freight Class: 55

Label: None

Other Shipping Information: not regulated.



WORKING COPY

Page: 6

DATE PREPARED: 02/28/2001

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

Fire: No Pressure Generating: No Reactivity: No Acute: No Chronic: Yes

311/312 Hazard Categories: None

313 Reportable Ingredients: None

Title III Notes: None

CARCINOGEN:

None

16. OTHER INFORMATION

NFPA CODES

Fire: 1 Health: 1 Reactivity: 0 Special: 0

HMIS CODES

Fire: 1 Health: 1 Reactivity: 0 Protection: 0

MANUFACTURER DISCLAIMER:

All the information contained herein is to the best of our knowledge true and accurate. However, since we have no control on how our products are shipped, handled, stored or used we make no guarantee of results and will not be held liable for any damages incurred. All chemicals should be used with caution and we make no guarantee that other hazards may not be present.

It is the responsibility of the user to ensure all local, state and federal regulations are complied with.