Material Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

10173 HotCoat Powder Chrome Smoke

Revision date: 10/11/2005

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 telephone number
Chem-Trec 800-424-9300

2. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS-No.	Concentration
Polyester resin(s)	Not Hazardous	80.0 - 90.0%
Blocked polyisocyanate	Undisclosed	10.0 - 20.0%
Carbon black	1333-86-4	1.0 - 5.0%

3. HAZARDS IDENTIFICATION

Emergency Overview

Appearance

Form	Fine powder
Colour	See Section 1

Hazard Summary	**CAUTION!** POWDER MAY FORM EXPLOSIVE MIXTURES WITH AIR. MAY CAUSE EYE/SKIN IRRITATION.

Potential Health Effects

Primary Routes of Entry: Inhalation
Eye contact
Skin contact

Inhalation: Inhalation of dust can cause the following:
irritation of nose, throat, and lungs
nausea
headache
dizziness

Skin:irritation

Eyes: Direct contact with material can cause the following:
slight to moderate irritation
Like any foreign body, particles can cause mechanical irritation.

Carbon black	ACGIH	Not classifiable as a human carcinogen.
Carbon black	IARC	Possible carcinogen.
Carbon black	US CA CRT	Carcinogenic.
Carbon black	NIOSH	Potentially carcinogenic.

4. FIRST AID MEASURES

Inhalation: Keep patient warm and at rest. Give artificial respiration if breathing has stopped. If unconscious place in recovery position and seek medical advice. When symptoms persist or in all cases of doubt seek medical advice. Move to fresh air.

Skin contact: Take off contaminated clothing and shoes immediately. Wash with water and soap as a precaution.

Eye contact: Flush eyes with water as a precaution.

Ingestion: If a person vomits when lying on his back, place him in the recovery position. Drink water as a precaution. Never give anything by mouth to an unconscious person.

5. FIRE-FIGHTING MEASURES

Flash point	Not Determined not applicable
Lower explosion limit	30 - 70 %(V)
Upper explosion limit	Not Determined
Thermal decomposition	During a fire, irritating and highly toxic gases and/or fumes may be generated during combustion or decomposition.
Suitable extinguishing media:	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Specific hazards during fire fighting: Dusts at sufficient concentrations can form explosive mixtures with air.

Special protective equipment for fire-fighters: Wear full protective clothing and self-contained breathing apparatus.

Further information: Standard procedure for chemical fires.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions
Avoid breathing dust.

Methods for cleaning up
Do not create a powder cloud by using a brush or compressed air.
No sparking tools should be used.
Clean up promptly by sweeping or vacuum.

Remove all sources of ignition.
Contain and collect spillage with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13).

Additional advice: Use mechanical handling equipment.
See SECTION 13, Disposal Considerations, for information regarding the disposal of contained spills.

7. HANDLING AND STORAGE

Handling
For personal protection see section 8. Provide for appropriate exhaust ventilation and dust collection at machinery. No special handling advice required.
Advice on protection against fire and explosion: Avoid formation of dust and aerosols. During processing, dust may form explosive mixture in air. Provide appropriate exhaust ventilation at machinery and at places where dust can be generated.

Storage
Storage conditions: No special storage conditions required. Keep container tightly closed in a dry and well-ventilated place.
Storage period:12 Months
For product stored in clean, dry conditions at less than 80 °F expected shelf life is at least 12 Months from receipt date
Other data: No decomposition if stored and applied as directed.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limit(s)

Exposure limits are listed below, if they exist.

Component	Regulation	Type of listing	Value
Carbon black	Rohm and Haas	TWA	3.0 mg/m3
	Rohm and Haas	STEL	6 mg/m3
	ACGIH	TWA	3.5 mg/m3
	OSHA_TRANS	PEL	3.5 mg/m3
	Z3	TWA Total dust.	
	Z3	TWA Respirable fraction.	
	Z3	TWA Total dust.	15 mg/m3
	Z3	TWA Respirable fraction.	5 mg/m3

Eye protection: Use chemical splash goggles (ANSI Z87.1 or approved equivalent).

Hand protection: For prolonged or repeated contact use protective gloves.

Respiratory protection: When dusty conditions are encountered, wear a properly fitted NIOSH approved (or equivalent) half-mask, air-purifying respirato r. A respiratory protection program meeting OSHA 1910.134 and ANSI Z88.2 requirements or equivalent must be followed whenever workplace conditions warrant a respirator's use. None required if airborne concentrations are maintained below the exposure limit listed in Exposure Limit Information.
Hygiene measures: Handle in accordance with good industrial hygiene and safety practice.

Protective measures: No special protective equipment required. Do not breathe dust.

Engineering measures: Use explosion-proof local exhaust ventilation with a minimum capture velocity of 100 ft/min (0.5 m/sec) at the point of vapor evolution. Refer to the current edition of Industrial Ventilation: A Manual of

Recommended Practice published by the American Conference of Governmental Industrial Hygienists for information on the design, installation, use, and maintenance of exhaust systems.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	
Form	Fine powder
Colour	See Section 1
pH	not applicable
Melting point/range	90 - 120 °C (194 - 248 °F)
Flash point	Not Determined not applicable
Lower explosion limit	30 - 70 %(V)
Upper explosion limit	Not Determined
Water solubility	negligible
Relative density	Not Determined
Percent volatility	1 %
VOC's	Not Determined

NOTE: The physical data presented above are typical values and should not be construed as a specification.

10. STABILITY AND REACTIVITY

Hazardous reactions	Risk of dust explosion.
Conditions to avoid	Static discharge
Materials to avoid	Incompatible with strong acids and oxidizing agents.
Hazardous decomposition products	no ,
polymerization	Product will not undergo polymerization.

11. TOXICOLOGICAL INFORMATION

No toxicity data are available for this material.

Skin irritation	Powder can cause localised skin irritation in folds of the skin or under tight clothing.
Eye irritation	Product dust may be irritating to eyes, skin and respiratory system.

Component:**Carbon black**
Acute inhalation toxicity LC50 rat 1 h 27,000 mg/l
Component:**Carbon black**
Acute dermal toxicity LD50 rabbit > 5,000 mg/kg

12. ECOLOGICAL INFORMATION

Aquatic toxicity is unlikely due to low solubility.

13. DISPOSAL CONSIDERATIONS

Disposal
For disposal, incinerate or landfill at a permitted facility in accordance with local, state, and federal regulations

(see 40 CFR Part 268).

Contaminated packaging: Empty containers should be taken for local recycling or waste disposal.

14. TRANSPORT INFORMATION

DOT

Not regulated for transport

IMO/IMDG

Not regulated (Not dangerous for transport)

Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations

15. REGULATORY INFORMATION

Workplace Classification
This product is considered hazardous under the OSHA Hazard Communication Standard (29 CFR 1910.1200).

This product is a'controlled product' under the Canadian Workplace Hazardous Materials Information System (WHMIS).

SARA TITLE III:Section 311/312 Categorizations (40CFR370): Acute Health Hazard
Chronic Health Hazard
US. Toxic Substances Control Act (TSCA) All components of this product are in compliance with the inventory listing requirements of the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

Pennsylvania
Any material listed as "Not Hazardous" in the CAS REG NO. column of SECTION 2, Composition/Information On Ingredients, of this MSDS is a trade secret under the provisions of the Pennsylvania Worker and Community Right-to-Know Act.

16. OTHER INFORMATION

Hazard Rating

	Health	Fire	Reactivity
HMIS	1*	1	0

Legend

ACGIH	American Conference of Governmental Industrial Hygienists
BAc	Butyl acetate
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
STEL	Short Term Exposure Limit (STEL):
TLV	Threshold Limit Value
TWA	Time Weighted Average (TWA):
|	Bar denotes a revision from prior MSDS.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief

at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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