

Material Safety Data Sheet

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

1 . Product and company identification

Product name : **HotCoat Powder Light Magenta**
Code : 10143
Validation date : 9/16/2011. Version : 1
Print date : 9/16/2011.
Prepared by :
In case of emergency : Call CHEMTREC: 1-800-424-9300 (U.S.) / 1-703-527-3887 (International)
Product type : Powder.

2 . Hazards identification

Physical state : Solid. [Powder.]
OSHA/HCS status : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
Emergency overview : May be harmful if swallowed. Slightly irritating to the eyes, skin and respiratory system. Handling and/or processing of this material may generate a dust which can cause mechanical irritation of the eyes, skin, nose and throat. Avoid exposure - obtain special instructions before use. Do not breathe dust. Do not ingest. Avoid contact with eyes, skin and clothing. Contains material that may cause target organ damage, based on animal data. Contains material which may cause cancer, based on animal data. Risk of cancer depends on duration and level of exposure. Use only with adequate ventilation. Keep container tightly closed and sealed until ready for use. Wash thoroughly after handling.
Routes of entry : Dermal contact. Eye contact. Inhalation. Ingestion.
Potential acute health effects
Inhalation : Slightly irritating to the respiratory system. Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
Ingestion : Harmful if swallowed.
Skin : Slightly irritating to the skin.
Eyes : Slightly irritating to the eyes.
Potential chronic health effects
Chronic effects : Contains material that may cause target organ damage, based on animal data. Repeated or prolonged inhalation of dust may lead to chronic respiratory irritation.
Carcinogenicity : Contains material which may cause cancer, based on animal data. Risk of cancer depends on duration and level of exposure.
Mutagenicity : No known significant effects or critical hazards.
Teratogenicity : No known significant effects or critical hazards.
Developmental effects : No known significant effects or critical hazards.
Fertility effects : No known significant effects or critical hazards.

HotCoat Powder Light Magenta**2 . Hazards identification**

Target organs : Contains material which may cause damage to the following organs: lungs, the reproductive system, upper respiratory tract, skin, eye, lens or cornea, stomach.

Over-exposure signs/symptoms

Inhalation : Adverse symptoms may include the following:
respiratory tract irritation
coughing

Ingestion : No specific data.

Skin : Adverse symptoms may include the following:
irritation
redness

Eyes : Adverse symptoms may include the following:
irritation
watering
redness

Medical conditions aggravated by over-exposure : Pre-existing disorders involving any target organs mentioned in this MSDS as being at risk may be aggravated by over-exposure to this product.

Additional information : **titanium dioxide**: Titanium dioxide has been evaluated by IARC as "possibly carcinogenic to humans" (Group 2B) based on inadequate evidence in humans and sufficient evidence in experimental animals. However, human studies available to date do not suggest that occupational exposure to titanium dioxide increases cancer risk. The ACGIH classifies titanium dioxide as "not classifiable as a human carcinogen". The NTP concludes it is "not carcinogenic by the oral route". Available evidence shows that long-term exposure to high concentrations of powdered and ultrafine titanium dioxide dust can cause respiratory tract cancer in rats exposed by either natural inhalation or direct introduction into the lungs. However, the same results are observed in people working in dusty environments.

See toxicological information (section 11)

3 . Composition/information on ingredients

barium sulfate	7727-43-7	25 - 30
titanium dioxide	13463-67-7	5 - 10
1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione	2451-62-9	1 - 5
Kaolin	1332-58-7	1 - 5

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

4 . First aid measures

Eye contact : Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention immediately.

Skin contact : In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention immediately.

Inhalation : Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately.

Ingestion : Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

Notes to physician : In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

HotCoat Powder Light Magenta**5 . Fire-fighting measures**

Flammability of the product : Precautions should be taken to prevent the formation of dusts in concentrations above flammable, explosive or occupational exposure limits.

Extinguishing media

Suitable : Use an extinguishing agent suitable for the surrounding fire.

Not suitable : None known.

Special exposure hazards : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Hazardous combustion products : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
nitrogen oxides
sulfur oxides
metal oxide/oxides

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6 . Accidental release measures

Personal precautions : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing dust. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see section 8).

Environmental precautions : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Large spill : Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labeled waste container. Avoid creating dusty conditions and prevent wind dispersal. Dispose of via a licensed waste disposal contractor. Note: see section 1 for emergency contact information and section 13 for waste disposal.

Small spill : Move containers from spill area. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.

7 . Handling and storage

Handling : Put on appropriate personal protective equipment (see section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing dust. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Storage : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

HotCoat Powder Light Magenta**8 . Exposure controls/personal protection****Product name**

barium sulfate

Exposure limits**ACGIH TLV (United States, 2/2010). Notes:** The value is for total dust containing no asbestos and < 1% crystalline silica.TWA: 10 mg/m³ 8 hour(s).**NIOSH REL (United States, 6/2009).**TWA: 5 mg/m³ 10 hour(s). Form: Respirable fractionTWA: 10 mg/m³ 10 hour(s). Form: Total**OSHA PEL (United States, 6/2010).**TWA: 5 mg/m³ 8 hour(s). Form: Respirable fractionTWA: 15 mg/m³ 8 hour(s). Form: Total dust**OSHA PEL 1989 (United States, 3/1989).**TWA: 5 mg/m³ 8 hour(s). Form: Respirable fractionTWA: 10 mg/m³ 8 hour(s). Form: Total dust

titanium dioxide

OSHA PEL (United States, 6/2010).TWA: 15 mg/m³ 8 hour(s). Form: Total dust**OSHA PEL 1989 (United States, 3/1989).**TWA: 10 mg/m³ 8 hour(s). Form: Total dust**ACGIH TLV (United States, 2/2010). Notes:** Substance identified by other sources as a suspected or confirmed human carcinogen.**1996 Adoption Substances for which the TLV is higher than the****OSHA Permissible Exposure Limit (PEL) and/or the NIOSH****Recommended Exposure Limit (REL). See CFR 58(124) :36338-****33351, June 30, 1993, for revised OSHA PEL. Refers to Appendix A -****- Carcinogens.**TWA: 10 mg/m³ 8 hour(s).

1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-

2,4,6(1H,3H,5H)-trione

Kaolin

ACGIH TLV (United States, 2/2010).TWA: 0.05 mg/m³ 8 hour(s).**ACGIH TLV (United States, 2/2010). Notes:** 1996 Adoption Refers to Appendix A -- Carcinogens. Respirable fraction; see Appendix C, paragraph C.TWA: 2 mg/m³ 8 hour(s). Form: Respirable fraction**NIOSH REL (United States, 6/2009).**TWA: 5 mg/m³ 10 hour(s). Form: Respirable fractionTWA: 10 mg/m³ 10 hour(s). Form: Total**OSHA PEL (United States, 6/2010).**TWA: 5 mg/m³ 8 hour(s). Form: Respirable fractionTWA: 15 mg/m³ 8 hour(s). Form: Total dust**OSHA PEL 1989 (United States, 3/1989).**TWA: 5 mg/m³ 8 hour(s). Form: Respirable fractionTWA: 10 mg/m³ 8 hour(s). Form: Total dust**Consult local authorities for acceptable exposure limits.****Recommended monitoring procedures** : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.

HotCoat Powder Light Magenta**8 . Exposure controls/personal protection**

Engineering measures	: Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.
Hygiene measures	: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
<u>Personal protection</u>	
Respiratory	: Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
Hands	: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
Eyes	: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts. If operating conditions cause high dust concentrations to be produced, use dust goggles.
Skin	: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Environmental exposure controls	: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

9 . Physical and chemical properties

Physical state	: Solid. [Powder.]	Vapor pressure	: Not available.
Color	: Red.	Vapor density	: Not available.
Odor	: Not available.	Volatility	: 0%w/w
Density (lb/gal)	: 13.6	Evaporation rate	: Not available.
Relative density	: 1.63	VOC (less water & exempt; lb/gal)	: 0
Boiling point	: >427°C (800.6°F)	VOC (of the product; lbs/gal [g/l])	: 0 [0]
Melting point	: Not available.	Viscosity	: Not available.
pH	: Not available.		
Solubility	: Not available.		
Flash point	: Closed cup: >316°C (>600.8°F)		
Auto-ignition temperature	: Not available.		
Flammable limits	: Not available.		

10 . Stability and reactivity

Stability	: The product is stable.
Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	: No specific data.
Materials to avoid	: No specific data.
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Hazardous polymerization	: Under normal conditions of storage and use, hazardous polymerization will not occur. Reactive or incompatible with the following materials: oxidizing materials.

HotCoat Powder Light Magenta**11 . Toxicological information****Acute toxicity**

Product/ingredient name	Result	Species	Dose	Exposure
titanium dioxide	LD Intratracheal	Rat	>100 ug/kg	-
	TDLo	Rat	5 mg/kg	-
	Intratracheal			
	TDLo	Rat	1.6 mg/kg	-
	Intratracheal			
	TDLo	Rat	1.25 mg/kg	-
	Intratracheal			
	TDLo Oral	Rat	60 g/kg	-
	LD50 Oral	Rat	222 mg/kg	-
	LD50 Oral	Rat	188 mg/kg	-
1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione	LD50 Oral	Rat	138 mg/kg	-
	LD50 Oral	Rat	138 mg/kg	-
	LC50 Inhalation Vapor	Rat	650 mg/m3	4 hours

Chronic toxicity - Not determined.**Irritation/Corrosion** - Not determined.**Sensitizer** - Not determined.**Carcinogenicity**

Product/ingredient name	ACGIH	IARC	EPA	NIOSH	NTP	OSHA
barium sulfate	A4	-	-	-	-	-
titanium dioxide	A4	2B	-	+	-	-
Kaolin	A4	-	-	-	-	-

Mutagenicity - Not determined.**Teratogenicity** - Not determined.**Reproductive toxicity** - Not determined.**12 . Ecological information**

Not determined. Additional information: See information supplied by the manufacturer.

13 . Disposal considerations

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Consult your local or regional authorities.

14 . Transport information

Regulatory information	UN number	Proper shipping name	Classes	PG*	Label	Additional information
DOT Classification	Not available.	Not regulated.	Not available.	-		-
TDG Classification	Not available.	Not regulated.	Not available.	-		-
Mexico Classification	Not available.	Not regulated.	Not available.	-		-
IMDG Class	Not available.	Not regulated.	Not available.	-		-
IATA-DGR Class	Not available.	Not regulated.	Not available.	-		-

PG* : Packing group

HotCoat Powder Light Magenta**15 . Regulatory information****United States**

HCS Classification : Carcinogen
Target organ effects

TSCA 8(b) inventory : All components are listed or exempted.

Clean Air Act Section 112(b) Hazardous Air Pollutants (HAPs) : None of the components are listed.

SARA 313 - Form R - Reporting requirements : None of the components are listed.

California Prop. 65 : **WARNING:** This product contains a chemical known to the state of California to cause cancer and birth defects, or other reproductive harm.

Canada

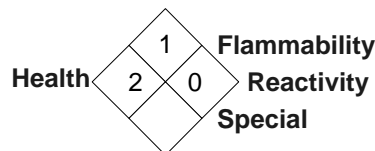
WHMIS (Canada) : Class D-1B: Material causing immediate and serious toxic effects (Toxic).
Class D-2A: Material causing other toxic effects (Very toxic).
Class D-2B: Material causing other toxic effects (Toxic).

Canada inventory : All components are listed or exempted.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

Mexico

Classification :

**16 . Other information**

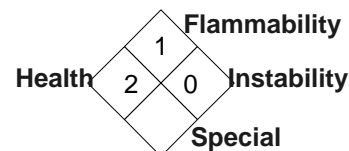
Label requirements : CAUTION!

MAY BE HARMFUL IF SWALLOWED. MAY CAUSE RESPIRATORY TRACT, EYE AND SKIN IRRITATION. CONTAINS MATERIAL THAT MAY CAUSE TARGET ORGAN DAMAGE, BASED ON ANIMAL DATA. POSSIBLE CANCER HAZARD - CONTAINS MATERIAL WHICH MAY CAUSE CANCER, BASED ON ANIMAL DATA.

Hazardous Material Information System (U.S.A.)

Health	*	2
Flammability		1
Physical hazards		0

National Fire Protection Association (U.S.A.)



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