

# 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 Gray Wrinkle**  
Code : **10217**  
Validation date : **4/20/2007.** Version : **3**  
Print date : **5/31/2007.**  
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 : 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. Avoid contact with eyes. Avoid prolonged or repeated contact with skin. Contains material that can cause target organ damage. 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.  
Ingestion : No known significant effects or critical hazards.  
Skin : Slightly irritating to the skin.  
Eyes : Slightly irritating to the eyes.

### Potential chronic health effects

Chronic effects : Contains material that can cause target organ damage.  
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.  
Target organs : Contains material which causes damage to the following organs: lungs, upper respiratory tract, skin, eye, lens or cornea.

**HotCoat Powder Gray Wrinkle****2. Hazards identification****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.

See toxicological information (section 11)

**3. Composition/information on ingredients**

<u>Name</u>	<u>CAS number</u>	<u>%</u>
barium sulfate	7727-43-7	10 - 15
titanium dioxide	13463-67-7	5 - 10
silica, amorphous, fumed	7631-86-9	1 - 5
carbon black	1333-86-4	0.1 - 1

There are no ingredients or 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 if irritation occurs.
- Skin contact** : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Inhalation** : Move exposed person to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
- Ingestion** : Wash out mouth with water. Remove dentures if any. Move exposed person to fresh air. Keep person warm and at rest. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
- 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** : No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

**HotCoat Powder Gray Wrinkle****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 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 breathe dust. Do not ingest. 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.

**8 . Exposure controls/personal protection****Product name****Exposure limits**

**HotCoat Powder Gray Wrinkle****8 . Exposure controls/personal protection**

barium sulfate

**ACGIH TLV (United States, 1/2006).** Notes: The value is for total dust containing no asbestos and < 1% crystalline silica.TWA: 10 mg/m<sup>3</sup> 8 hour(s).**NIOSH REL (United States, 12/2001).**TWA: 5 mg/m<sup>3</sup> 10 hour(s). Form: Respirable fractionTWA: 10 mg/m<sup>3</sup> 10 hour(s). Form: Total**OSHA PEL (United States, 11/2006).**TWA: 5 mg/m<sup>3</sup> 8 hour(s). Form: Respirable fractionTWA: 15 mg/m<sup>3</sup> 8 hour(s). Form: Total dust**OSHA PEL 1989 (United States, 3/1989).**TWA: 5 mg/m<sup>3</sup> 8 hour(s). Form: Respirable fractionTWA: 10 mg/m<sup>3</sup> 8 hour(s). Form: Total dust

titanium dioxide

**ACGIH TLV (United States, 1/2006).** 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/m<sup>3</sup> 8 hour(s).**OSHA PEL (United States, 11/2006).**TWA: 15 mg/m<sup>3</sup> 8 hour(s). Form: Total dust**OSHA PEL 1989 (United States, 3/1989).**TWA: 10 mg/m<sup>3</sup> 8 hour(s). Form: Total dust

silica, amorphous, fumed

**NIOSH REL (United States, 12/2001).**TWA: 6 mg/m<sup>3</sup> 10 hour(s).

carbon black

**ACGIH TLV (United States, 1/2006).** Notes: Substance identified by other sources as a suspected or confirmed human carcinogen.**1996 Adoption Refers to Appendix A -- Carcinogens.**TWA: 3.5 mg/m<sup>3</sup> 8 hour(s).**NIOSH REL (United States, 12/2001).** Notes: See Appendix A -**NIOSH Potential Occupational Carcinogen See Appendix C -****Supplemental Exposure Limits**TWA: 3.5 mg/m<sup>3</sup> 10 hour(s).**NIOSH REL (United States, 12/2001).** Notes: Carbon black in**presence of polycyclic aromatic hydrocarbons (PAHs) See****Appendix A - NIOSH Potential Occupational Carcinogen See****Appendix C - Supplemental Exposure Limits**

TWA: 0.1 MGPHM3 10 hour(s).

**OSHA PEL (United States, 11/2006).**TWA: 3.5 mg/m<sup>3</sup> 8 hour(s).**OSHA PEL 1989 (United States, 3/1989).**TWA: 3.5 mg/m<sup>3</sup> 8 hour(s).**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.

**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.

**Personal protection**

**HotCoat Powder Gray Wrinkle****8 . Exposure controls/personal protection**

- 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, gases 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. ]
- Flash point** : Closed cup: >316°C (>600.8°F)
- Color** : Gray.
- Boiling/condensation point** : >427°C (800.6°F)
- Relative density** : 1.46
- VOC** : 0 (g/l).

**10 . Stability and reactivity**

- Stability** : The product is stable. Under normal conditions of storage and use, hazardous polymerization 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.
- Conditions of reactivity** :  
Reactive or incompatible with the following materials: oxidizing materials.

**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	-
carbon black	Intratracheal			
	TDLo Oral	Rat	60 g/kg	-
	LD50 Dermal	Rabbit	>3 g/kg	-
	LD50 Oral	Rat	>15400 mg/kg	-
	TDLo	Rat	16 mg/kg	-
	Intratracheal			
	TDLo	Rat	15 mg/kg	-
	Intratracheal			
	TDLo	Rat	10 mg/kg	-
	Intratracheal			

**HotCoat Powder Gray Wrinkle****11 . Toxicological information**

**Conclusion/Summary** : Not available.

**Chronic toxicity**

**Conclusion/Summary** : Not available.

**Carcinogenicity**

**Conclusion/Summary** : Not available.

**Classification**

Product/ingredient name	ACGIH	IARC	EPA	NIOSH	NTP	OSHA
barium sulfate	A4	-	-	-	-	-
titanium dioxide	A4	2B	-	-	-	-
silica, amorphous, fumed	-	3	-	-	-	-
carbon black	A4	2B	-	+	-	-

**Mutagenicity**

**Conclusion/Summary** : Not available.

**Teratogenicity**

**Conclusion/Summary** : Not available.

**Reproductive toxicity**

**Conclusion/Summary** : Not available.

**12 . Ecological information**

**Environmental effects** : No known significant effects or critical hazards.

**Aquatic ecotoxicity**

Product/ingredient name	Test	Result	Species	Exposure
barium sulfate	Intoxication	Acute EC50 32 mg/L	Daphnia	48 hours
titanium dioxide	Intoxication	Acute EC50 >1000 mg/L	Daphnia	48 hours

**Conclusion/Summary** : Not available.

**Biodegradability**

**Conclusion/Summary** : Not available.

**13 . Disposal considerations**

**Waste disposal** : The generation of waste should be avoided or minimized wherever possible. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.

**14 . Transport information**

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

**HotCoat Powder Gray Wrinkle****14 . Transport information**

ADR/RID Class	Not available.	Not available.	Not available.	-		-
IMDG Class	Not regulated.	-	-	-		-
IATA-DGR Class	Not regulated.	-	-	-		-

PG\* : Packing group

**15 . Regulatory information****United States**

HCS Classification : Carcinogen  
Target organ effects

U.S. Federal regulations : TSCA 8(b) inventory : All components are listed or exempted.  
SARA 302/304/311/312 **extremely hazardous substances**: No products were found.  
SARA 302/304 **emergency planning and notification**: No products were found.  
SARA 302/304/311/312 **hazardous chemicals**: titanium dioxide; barium sulfate  
SARA 311/312 **MSDS distribution - chemical inventory - hazard identification**:  
titanium dioxide: Immediate (acute) health hazard; barium sulfate: Immediate (acute) health hazard

**SARA 313**

**Form R - Reporting requirements** : **Product name** : None of the components are listed. **CAS number** **Concentration**

**State regulations** : **Connecticut Carcinogen Reporting**: None of the components are listed.  
**Connecticut Hazardous Material Survey**: None of the components are listed.  
**Florida substances**: None of the components are listed.  
**Illinois Chemical Safety Act**: None of the components are listed.  
**Illinois Toxic Substances Disclosure to Employee Act**: None of the components are listed.  
**Louisiana Reporting**: None of the components are listed.  
**Louisiana Spill**: None of the components are listed.  
**Massachusetts Spill**: None of the components are listed.  
**Massachusetts Substances**: The following components are listed: BARIUM SULFATE; TITANIUM DIOXIDE;AMORPHOUS SILICA  
**Michigan Critical Material**: None of the components are listed.  
**Minnesota Hazardous Substances**: None of the components are listed.  
**New Jersey Hazardous Substances**: The following components are listed: TITANIUM DIOXIDE; SILICA, AMORPHOUS (FUMED);CARBON BLACK  
**New Jersey Spill**: None of the components are listed.  
**New Jersey Toxic Catastrophe Prevention Act**: None of the components are listed.  
**New York Acutely Hazardous Substances**: None of the components are listed.  
**New York Toxic Chemical Release Reporting**: None of the components are listed.  
**Pennsylvania RTK Hazardous Substances**: The following components are listed: BARIUM SULFATE; TITANIUM OXIDE (TiO2); SILICA;CARBON BLACK  
**Rhode Island Hazardous Substances**: 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-2A: Material causing other toxic effects (Very toxic).

**HotCoat Powder Gray Wrinkle****15 . Regulatory information**

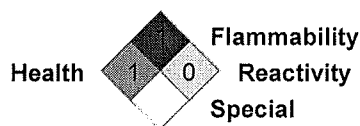
**Canadian lists** : **CEPA Toxic substances:** None of the components are listed.  
**Canadian ARET:** None of the components are listed.  
**Canadian NPRI:** None of the components are listed.  
**Alberta Designated Substances:** None of the components are listed.  
**Ontario Designated Substances:** None of the components are listed.  
**Quebec Designated Substances:** None of the components are listed.

**Canada inventory** : All components are listed or exempted.

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

**Mexico**

**Classification** :

**International regulations**

**International lists** : **Australia inventory (AICS):** All components are listed or exempted.  
**China inventory (IECSC):** All components are listed or exempted.  
**Korea inventory (KECI):** All components are listed or exempted.  
**Philippines inventory (PICCS):** All components are listed or exempted.  
**Japan inventory (ENCS):** All components are listed or exempted.

**16 . Other information**

**Label requirements** : MAY CAUSE RESPIRATORY TRACT, EYE AND SKIN IRRITATION. CONTAINS MATERIAL THAT CAN CAUSE TARGET ORGAN DAMAGE. POSSIBLE CANCER HAZARD - CONTAINS MATERIAL WHICH MAY CAUSE CANCER, BASED ON ANIMAL DATA.

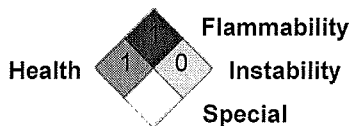
**Hazardous Material Information System (U.S.A.)** :

Health	*	1
Flammability		1
Physical hazards		0

**Caution:** HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

The customer is responsible for determining the PPE code for this material.

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



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**Notice to reader**



**HotCoat Powder Gray Wrinkle****16 . Other information**

IMPORTANT: WHILE THE DESCRIPTIONS, DATA AND INFORMATION CONTAINED HEREIN ARE PRESENTED IN GOOD FAITH AND BELIEVED TO BE ACCURATE, THEY ARE PROVIDED FOR YOUR GUIDANCE ONLY. MANY FACTORS MAY AFFECT PROCESSING OR APPLICATION OR USE, INCLUDING USE OF THIS MATERIAL IN COMBINATION WITH OTHER MATERIALS OR PROCESSES. YOU THEREFORE SHOULD, AND THIS MATERIAL IS SUPPLIED ON THE CONDITION THAT YOU, PERFORM AN ASSESSMENT TO DETERMINE THE SUITABILITY OF THE MATERIAL PRIOR TO USE, AND YOU ACCEPT RESPONSIBILITY FOR SATISFYING YOURSELF THAT THE MATERIAL IS SUITABLE AND THE COMPLETENESS OF THIS INFORMATION IS SUFFICIENT FOR YOUR USE. ~~MATERIAL IS SUITABLE AND THE COMPLETENESS OF THIS INFORMATION IS SUFFICIENT FOR YOUR USE.~~ ALTHOUGH CERTAIN HAZARDS MAY BE DESCRIBED HEREIN, OTHER HAZARDS MAY ALSO EXIST. NO WARRANTIES OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING FITNESS FOR A PARTICULAR PURPOSE, ARE MADE REGARDING PRODUCTS DESCRIBED, DATA, OR INFORMATION SET FORTH. IN NO CASE SHALL THE DESCRIPTIONS, INFORMATION, OR DATA PROVIDED BE CONSIDERED A PART OF OUR TERMS AND CONDITIONS OF SALE, AND WE DISCLAIM LIABILITY FOR LOSS OR INJURY ARISING FROM YOUR USE OF THIS MATERIAL, DATA OR INFORMATION. FURTHER, THE DESCRIPTIONS, DATA AND INFORMATION FURNISHED HERE ARE GIVEN GRATIS. NO OBLIGATIONS NOR LIABILITIES FOR THE DESCRIPTION, DATA AND INFORMATION GIVEN ARE ASSUMED, ALL SUCH BEING GIVEN AND ACCEPTED AT YOUR RISK.