

Safety Data Sheet

according to HPR, Schedule 1

Printing date 09/04/2019

Reviewed on 09/04/2019

1 Identification

- . **Product identifier**
- . **Trade name** Hotcoat Powder 3D Shimmering Metallic Storm Silver
- . **Article number:** 54286/54286LB/5428625LB/5428650LB
- . **Restrictions** Industrial Powder coating Application
- . **Recommended Use:** Powder coating material
- . **Manufacturer/Supplier:**
USA:
Eastwood Company
263 Shoemaker Road
Pottstown, PA 19464
Phone: 800-343-9353

- . **Emergency telephone number:** 24/7:800-424-9300 ChemTrec

2 Hazard identification

- . **Classification of the substance or mixture**



GHS08 Health hazard

Carcinogenicity - Category 2 H351 Suspected of causing cancer.

Combustible Dusts - Category 1 May form combustible dust concentrations in air.

- . **Label elements**

- . **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

- . **Hazard pictograms**



GHS08

- . **Signal word** Warning

- . **Hazard-determining components of labeling:**

2,2'-iminodiethanol
titanium dioxide
carbon black
quartz (SiO₂)

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. Hazard statements

H351 Suspected of causing cancer.
May form combustible dust concentrations in air.

. Precautionary statements

P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P260 Do not breathe dust.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P308+P313 IF exposed or concerned: Get medical advice/attention.
P405 Store locked up.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

. Classification system**. NFPA ratings (scale 0-4)**

Health = 1
Fire = 1
Reactivity = 1

. HMIS-RATINGS (SCALE 0 - 4)

Health = 1
Fire = 1
Reactivity = 1

3 Composition/Information on ingredients

. Chemical characterization: Mixtures

. Description: Mixture consisting of the following components with harmless additives.

. Hazardous ingredients:

7727-43-7	barium sulphate, natural	3-7% w/w *
21645-51-2	aluminium hydroxide	3-7% w/w *
13463-67-7	titanium dioxide	1-5% w/w *
7429-90-5	aluminum powder (stabilized) Flammable Solids - Category 1, H228; Substances and Mixtures Which, in Contact with Water, Emit Flammable Gases - Category 2, H261	0,5-1,5% w/w *
1333-86-4	carbon black Carcinogenicity - Category 2, H351	0,1-1% w/w *

* Actual concentration ranges are withheld as a trade secret.

. Additional information For the wording of the listed hazard phrases refer to section 16.

4 First aid measures

. Description of first aid measures

. After inhalation Supply fresh air; consult doctor in case of symptoms.
. After skin contact Instantly wash with water and soap and rinse thoroughly.
. After eye contact Rinse opened eye for several minutes under running water.
. After swallowing Seek immediate medical advice.
. Information for doctor
. Most important symptoms and effects, both acute and delayed None
. Indication of any immediate medical attention and special treatment needed
No further relevant information available.

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5 Firefighting measures

- . **Extinguishing media**
- . **Suitable extinguishing agents**
CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.
- . **For safety reasons unsuitable extinguishing media**
Gaseous extinguishing agents (e.g. Carbon dioxide) under high pressure
- . **Special hazards arising from the substance or mixture**
Formation of toxic gases is possible during heating or in case of fire.
CO, CO₂, NO_x
- . **Advice for firefighters**
- . **Protective equipment:**
Put on breathing apparatus.
Wear full protective suit.

6 Accidental release measures

- . **Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation
Avoid causing dust.
Keep away from ignition sources
Wear protective clothing.
Use breathing protection against the effects of dust.
- . **Environmental precautions:** Do not allow product to reach sewage system or water bodies.
- . **Methods and material for containment and cleaning up:** Collect mechanically.
- . **Reference to other sections**
See Section 7 for information on safe handling
See Section 8 for information on personal protection equipment.
See Section 13 for information on disposal.

7 Handling and storage

- . **Handling**
- . **Precautions for safe handling** No special measures required.
- . **Information about protection against explosions and fires:**



Keep ignition sources away - Do not smoke.

Dust can combine with air to form an explosive mixture.

- . **Conditions for safe storage, including any incompatibilities**
- . **Storage**
- . **Requirements to be met by storerooms and containers:**
Store only in the original container.
Static charges may build up in the powder
- . **Information about storage in one common storage facility:** Not required.
- . **Further information about storage conditions:** None.
- . **Specific end use(s)** No further relevant information available.

8 Exposure controls/ Personal protection

- . **Additional information about design of technical systems:** No further data; see item 7.

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. Control parameters**. Components with critical values that require monitoring at the workplace:**

7727-43-7 barium sulphate, natural	
EL (Canada)	TWA: 5 mg/m ³ inhalable
EV (Canada)	TWA: 10 mg/m ³ total dust
PEL (U.S.A)	TWA: 15* 5** mg/m ³ *total dust **respirable fraction
REL (U.S.A)	TWA: 10* 5** mg/m ³ *total dust **respirable fraction
TLV (U.S.A)	TWA: 5* mg/m ³ *inhalable fraction; E
21645-51-2 aluminium hydroxide	
EL (Canada)	TWA: 10 mg/m ³
REL (U.S.A)	TWA: 2 mg/m ³ as Al
TLV (U.S.A)	TWA: 1* mg/m ³ as Al; *as respirable fraction
13463-67-7 titanium dioxide	
EL (Canada)	TWA: 10* 3** mg/m ³ *total dust; **respirable fraction; IARC 2B
EV (Canada)	TWA: 10 mg/m ³ total dust
PEL (U.S.A)	TWA: 15* mg/m ³ *total dust
REL (U.S.A)	See Pocket Guide App. A
TLV (U.S.A)	TWA: 10 mg/m ³
7429-90-5 aluminum powder (stabilized)	
EL (Canada)	TWA: 1,0 mg/m ³ respirable, as Al
PEL (U.S.A)	TWA: 15*; 5** mg/m ³ *Total dust; ** Respirable fraction
REL (U.S.A)	TWA: 10* 5** mg/m ³ as Al*Total dust**Respirable/pyro powd./welding f.
TLV (U.S.A)	TWA: 1* mg/m ³ as Al; *as respirable fraction
1333-86-4 carbon black	
EL (Canada)	TWA: 3 mg/m ³ IARC 2B
EV (Canada)	TWA: 3,5 mg/m ³
PEL (U.S.A)	TWA: 3,5 mg/m ³
REL (U.S.A)	TWA: 3,5* mg/m ³ *0,1 in presence of PAHs; See Pocket Guide Apps.A+C
TLV (U.S.A)	TWA: 3* mg/m ³ *inhalable fraction

. Regulatory information

EL (Canada): OHS Guidelines Part 5, Table of Exposure Limits for Chemical and Biological Substances

EV (Canada): O. Reg. 287/17

PEL (U.S.A): Guide to Occupational Exposure Values (OSHA PELs)

REL (U.S.A): Guide to Occupational Exposure Values (NIOSH RELs)

TLV (U.S.A): Guide to Occupational Exposure Values (ACGIH)

. Additional information:

The lists that were valid during the compilation were used as basis.

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- . **Exposure controls** A dust collection system is recommended.
- . **Personal protective equipment**
- . **General protective and hygienic measures**
Wash hands during breaks and at the end of the work.
- . **Breathing equipment:**



Half or full face particulate respirator (air purifying respirator). These respirators only protect for particulates, not gases or vapors.

- . **Protection of hands:**



Protective gloves.

Antistatic gloves

- . **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- . **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- . **Eye protection:**



Safety Glasses

- . **Body protection:** Protective work clothing.

9 Physical and chemical properties

- . **Information on basic physical and chemical properties**

- . **General Information**

- . **Appearance:**

Form:

Solid

Colour:

According to Trade Name

- . **Odor:**

Nearly odourless

- . **Odor threshold:**

Not applicable.

- . **pH-value:**

Not applicable.

- . **Change in condition**

Melting point/Melting range:

> 50 °C / 120°F

Freezing point :

Not applicable

- . **Flash point:**

Not applicable

- . **Flammability (solid, gaseous)**

Not applicable.

- . **Auto-ignition temperature:**

400 °C (752 °F)

- . **Decomposition temperature:**

Not applicable.

- . **Self-inflammability:**

Product is not selfigniting.

- . **Danger of explosion:**

Product is not explosive. However, formation of explosive air/dust mixtures is possible

- . **Critical values for explosion:**

Lower:

56 g/m³

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Upper:	Not applicable
. Steam pressure:	Not applicable.
. Density (Specific gravity) at 20 °C (68 °F)	1,45 g/cm ³ (12,1 lbs/gal)
. Relative density	Not applicable
. Vapor pressure:	Not applicable.
. Evaporation rate	Not applicable.
. Solubility in / Miscibility with Water:	Insoluble
. Partition coefficient (n-octanol/water):	Not available.
. Viscosity:	
dynamic:	Not applicable.
kinematic:	Not applicable.
. Solvent content:	
Organic solvents:	0,0 %
Solids content:	100,0 %
. Other information	Chemical stability: Not applicable

10 Stability and reactivity

- . **Reactivity** No further relevant information available.
- . **Chemical stability** Not applicable
- . **Conditions to be avoided:** No decomposition if used according to specifications.
- . **Possibility of hazardous reactions** No dangerous reactions known
- . **Conditions to avoid** No further relevant information available.
- . **Incompatible materials:** No further relevant information available.
- . **Hazardous decomposition products:** In case of fire: CO, CO₂, NO_x

11 Toxicological information

- . **Information on toxicological effects**
- . **Acute toxicity:**

. LD/LC50 values that are relevant for classification:

Oral	LD50	>2.000 mg/kg (rat)
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- . **Primary irritant effect:**
- . **on the skin:** No irritant effect.
- . **on the eye:** Possible irritant effects
- . **Sensitization:** No sensitizing effect known.
- . **Additional toxicological information:**

. Carcinogenic categories

. IARC (International Agency for Research on Cancer)

13463-67-7	titanium dioxide	2B
112926-00-8	Silicon dioxide	3
1333-86-4	carbon black	2B
1309-37-1	diiron trioxide	3
7631-86-9	silicon dioxide, chemically prepared	3
14808-60-7	quartz (SiO ₂)	1
111-42-2	2,2'-iminodiethanol	2B

. NTP (National Toxicology Program)

14808-60-7	quartz (SiO ₂)	K
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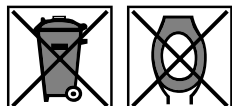
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12 Ecological information

- . **Toxicity**
- . **Aquatic toxicity:** No further relevant information available.
- . **Persistence and degradability** No further relevant information available.
- . **Behaviour in environmental systems:**
- . **Bioaccumulative potential** No further relevant information available.
- . **Mobility in soil** No further relevant information available.
- . **Additional ecological information:**
- . **General notes:**
 Water hazard class 1 (Self-assessment): slightly hazardous for water.
 Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.
- . **Results of PBT and vPvB assessment**
- . **PBT:** Not applicable.
- . **vPvB:** Not applicable.
- . **Other adverse effects** No further relevant information available.

13 Disposal considerations

- . **Waste treatment methods**
- . **Recommendation**



Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

- . **Uncleaned packagings:**
- . **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- | | |
|--|-----------------|
| . UN-Number | Not |
| . DOT/TDG, ADR, IMDG, IATA | Void |
| . UN proper shipping name | Not Applicable |
| . DOT/TDG, IMDG, IATA | Void |
| . ADR | N/A |
| | Void |
| . Transport hazard class(es) | |
| . DOT, IMDG, IATA | |
| . Class | Void |
| | Not regulated. |
| ----- | |
| . ADR, ADN | |
| . Class | Void |
| . Packing group | N/A |
| . DOT/TDG, IMDG, IATA | Void |
| . ADR | Void |
| | N/A |
| . Environmental hazards: | Not applicable. |
| . Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not applicable. |
| . UN "Model Regulation": | Void |

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15 Regulatory information

. **Safety, health and environmental regulations/legislation specific for the substance or mixture**

. **SARA (Superfund Amendments and Reauthorization Act):**

. **Section 355 (Extremely hazardous substances):**

None of the ingredients is listed.

. **Section 313 (Specific toxic chemical listings):**

7727-43-7	barium sulphate, natural
7429-90-5	aluminum powder (stabilized)
1344-28-1	aluminium oxide
68186-90-3	chrome antimony titanium buff rutile

. **TSCA (Toxic Substances Control Act):**

7727-43-7	barium sulphate, natural	ACTIVE
21645-51-2	aluminium hydroxide	ACTIVE
57843-53-5	subst. adipic acid-amide	ACTIVE
13463-67-7	titanium dioxide	ACTIVE
6683-19-8	Pentaerythritetetrakis(3-(3,5-di-tert-butyl-4-hydroxyphenyl) propionat)	ACTIVE
1333-86-4	carbon black	ACTIVE
119-53-9	Benzoin	ACTIVE
1309-37-1	diiron trioxide	ACTIVE
1344-28-1	aluminium oxide	ACTIVE
7631-86-9	silicon dioxide, chemically prepared	ACTIVE
63843-89-0	Bis(1,2,2,6,6-pentamethyl-4-piperidyl) [[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]methyl]butylmalonate	ACTIVE
68186-90-3	chrome antimony titanium buff rutile	ACTIVE
110-30-5	N,N'-ethylenedi (stearamide)	ACTIVE
26741-53-7	3,9-bis(2,4-di-tert-butylphenoxy)-2,4,8,10-tetraoxa-3,9-diphosphaspiro[5.5]undecane	ACTIVE

. **MAK (German Maximum Workplace Concentration)**

13463-67-7	titanium dioxide	3A
1333-86-4	carbon black	3B
1344-28-1	aluminium oxide	2
14808-60-7	quartz (SiO ₂)	1
111-42-2	2,2'-iminodiethanol	3B

. **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

. **Hazard pictograms**



GHS08

. **Signal word** Warning

. **Hazard-determining components of labeling:**

2,2'-iminodiethanol

titanium dioxide

carbon black

quartz (SiO₂)

. **Hazard statements**

H351 Suspected of causing cancer.

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May form combustible dust concentrations in air.

. Precautionary statements

- P201 Obtain special instructions before use.
- P202 Do not handle until all safety precautions have been read and understood.
- P260 Do not breathe dust.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P308+P313 IF exposed or concerned: Get medical advice/attention.
- P405 Store locked up.
- P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

. Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

. Relevant phrases

- H228 Flammable solid.
- H261 In contact with water releases flammable gas.
- H351 Suspected of causing cancer.

. Date of the latest revision of the safety data sheet 09/04/2019 / -

. Abbreviations and acronyms:

IMDG: International Maritime Code for Dangerous Goods
 DOT: US Department of Transportation
 IATA: International Air Transport Association
 EINECS: European Inventory of Existing Commercial Chemical Substances
 ELINCS: European List of Notified Chemical Substances
 CAS: Chemical Abstracts Service (division of the American Chemical Society)
 NFPA: National Fire Protection Association (USA)
 HMIS: Hazardous Materials Identification System (USA)
 LC50: Lethal concentration, 50 percent
 LD50: Lethal dose, 50 percent
 PBT: Persistent, Bioaccumulative and Toxic
 vPvB: very Persistent and very Bioaccumulative

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