

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 Battleship Burst
- . **Article number:** 54287/54287LB/5428725LB/5428750LB
- . **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
- . **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.

. 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:**

21645-51-2	aluminium hydroxide	3-7% w/w *
13463-67-7	titanium dioxide	3-7% 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.

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

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- . **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.
- . **Control parameters**

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

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

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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
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

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

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

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

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

. Additional information:

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

. 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.

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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 / 120F
 - Freezing point : Not applicable
- . **Flash point:** Not applicable
- . **Flammability (solid, gaseous)** Not applicable.
- . **Auto-ignition temperature:** Not Available.
- . **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: 53 g/m³
 - Upper: Not applicable
- . **Steam pressure:** Not applicable.
- . **Density (Specific gravity) at 20 °C (68 °F)** 1,87 g/cm³ (15,61 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

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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
111-42-2	2,2'-iminodiethanol	2B

- . NTP (National Toxicology Program)

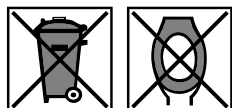
None of the ingredients is listed.

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

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. 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.
<hr/>	
. 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

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):

7429-90-5	aluminum powder (stabilized)
68186-90-3	chrome antimony titanium buff rutile
1344-28-1	aluminium oxide

. TSCA (Toxic Substances Control Act):

21645-51-2	aluminium hydroxide	ACTIVE
13463-67-7	titanium dioxide	ACTIVE
57843-53-5	subst. adipic acid-amide	ACTIVE
68186-90-3	chrome antimony titanium buff rutile	ACTIVE
119-53-9	Benzoin	ACTIVE
1333-86-4	carbon black	ACTIVE
1344-28-1	aluminium oxide	ACTIVE
1309-37-1	diiron trioxide	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
7631-86-9	silicon dioxide, chemically prepared	ACTIVE

. MAK (German Maximum Workplace Concentration)

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

. GHS label elements

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

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. Hazard pictograms



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. Signal word Warning

. Hazard-determining components of labeling:

2,2'-iminodiethanol
titanium dioxide
carbon black

. 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.

. 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

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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