

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 Halcyon Gold*
- . **Article number:** *54284/54284LB/5428425LB/5428450LB*
- . **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**
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** *Void*
- . **Signal word** *Warning*
- . **Hazard-determining components of labeling:**
titanium dioxide
2,2'-iminodiethanol
quartz (SiO₂)
- . **Hazard statements**
May form combustible dust concentrations in air.
- . **Precautionary statements**
P260 Do not breathe dust.
- . **Classification system**
- . **NFPA ratings (scale 0-4)**



Health = 1
Fire = 1
Reactivity = 1

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HMIS-RATINGS (SCALE 0 - 4)

HEALTH	1
FIRE	1
REACTIVITY	1

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:

13463-67-7	titanium dioxide	1-5% w/w *
7727-43-7	barium sulphate, natural	1-5% w/w *
1309-37-1	diiron trioxide	0,5-1,5% 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**
- . **General information** No special measures required.
- . **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
- . **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.

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. 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:**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

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

1309-37-1 diiron trioxide

EL (Canada)	STEL: 10** mg/m ³ TWA: 5* 10*** 3**** mg/m ³ *dust & fume**fume; Rouge: ***total dust****resp.
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EV (Canada)	TWA: 5* 10** mg/m ³ *respirable, including Rouge;**total dust
PEL (U.S.A)	TWA: 10* mg/m ³ *Fume
REL (U.S.A)	TWA: 5 mg/m ³ Dust & fume, as Fe
TLV (U.S.A)	TWA: 5* mg/m ³ *as respirable 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.

. Exposure controls A dust collection system is recommended.

. Personal protective equipment

. General protective and hygienic measures

The usual precautionary measures should be adhered to in handling the chemicals.

. 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.

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. 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:	51 g/m ³
Upper:	Not applicable
. Steam pressure:	Not applicable.
. Density (Specific gravity) at 20 °C (68 °F)	1,42 g/cm ³ (11,85 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.

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. Additional toxicological information:

The product is not subject to classification according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version. When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

. Carcinogenic categories

. IARC (International Agency for Research on Cancer)		
13463-67-7	titanium dioxide	2B
1309-37-1	diron trioxide	3
112926-00-8	Silicon dioxide	3
7631-86-9	silicon dioxide, chemically prepared	3
111-42-2	2,2'-iminodiethanol	2B
14808-60-7	quartz (SiO ₂)	1
. NTP (National Toxicology Program)		
14808-60-7	quartz (SiO ₂)	K

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** Smaller quantities can be disposed with household garbage.
- . 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

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- | | |
|---|-----------------|
| . 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):

7727-43-7	barium sulphate, natural
7429-90-5	aluminum powder (stabilized)
1344-28-1	aluminium oxide

- . TSCA (Toxic Substances Control Act):

13463-67-7	titanium dioxide	ACTIVE
57843-53-5	subst. adipic acid-amide	ACTIVE
7727-43-7	barium sulphate, natural	ACTIVE
20344-49-4	iron hydroxide oxide	ACTIVE
1309-37-1	diiron trioxide	ACTIVE
21645-51-2	aluminium hydroxide	ACTIVE
25722-45-6	Polymer of Polypropylene and Maleic Anhydride	ACTIVE
119-53-9	Benzoin	ACTIVE
6683-19-8	Pentaerythritetetrakis(3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionat)	ACTIVE
1344-28-1	aluminium oxide	ACTIVE
1860-26-0	2-ethyl-N,N-bis(2-ethylhexyl)hexylamine	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
1344-28-1	aluminium oxide	2
111-42-2	2,2'-iminodiethanol	3B
14808-60-7	quartz (SiO ₂)	1

- . GHS label elements

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

- . Hazard pictograms Void
- . Signal word Warning

- . Hazard-determining components of labeling:

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

- . Hazard statements

May form combustible dust concentrations in air.

- . Precautionary statements

P260 Do not breathe dust.

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. **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.

. **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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