



Material Safety Data Sheet

Product name: Pigment Metallic Silver

1. Product Identification

Product use: For Toys

Manufacturer's name: Dongguan Fitcolor Toys Manufacturer Co.,Ltd

Manufacturer's Address: Jinniu Road, Sanzhong Village, Qingxi Town ,
Dongguan,Guangdong

Manufacturer's country: China

General information telephone: 0769-38981968

Emergency Telephone: 0769-38981968

Date issued: 2020/06/08

2. Hazards Identification

2.1 Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No.
1272/2008.

2.2 GHS label elements, including precautionary statements

Not a hazardous substance or mixture according to Regulation (EC) No.
1272/2008.

2.3 Other hazards which do not result in classification

This substance/mixture contains no components considered to be either
persistent, Bioaccumulative and Toxic (PBT), or very persistent and very
Bioaccumulative (vPvB) at levels of 0.1% or higher

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3. Composition/Information on Ingredients

Chemical Name	CAS Number	By Weight(%)
Titanium dioxide RCL69	13463-67-7	50
Scandium oxide	12060-08-1	27.5
N,N'-Ethylenebis(stearamide)	110-30-5	22.5

4. First Aid Measures

4.1 Description of necessary first-aid measures

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician

In case of skin contact

Wash off with soap and plenty of water. Consult a physician.

In case of eye contact

Flush eyes with water as a precaution.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician..

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4.2 Most important symptoms/effects, acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 1.1

4.3 Indication of immediate medical attention and special treatment needed, if necessary

No data available

5. Fire Fighting Measures

5.1 Extinguishing media

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media

For this substance/mixture no limitations of extinguishing agents are given

5.2 Specific hazards arising from the chemical

No data available

5.3 Special protective actions for fire-fighters

Wear self-contained breathing apparatus for firefighting if necessary

5.4 Further information

No data available

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. For personal protection see section 8...

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6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided

6.3 Methods and materials for containment and cleaning up

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For disposal see section 13.

7. Handling and Storage

7.1 Precautions for safe handling

Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place. Store in cool place. Keep in a dry place. hygroscopic..

7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

8. Exposure Controls/Personal Protection

8.1 Control parameters

Occupational Exposure limit values

8.2 Appropriate engineering controls

Ensure adequate ventilation. Handle in accordance with good industrial hygiene and safety practice. Set up emergency exits and the risk-elimination area.

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8.3 Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection

Wear tightly fitting safety goggles with side-shields conforming to EN 166(EU) or NIOSH (US).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of Regulation (EU) 2016/425 and the standard EN 374 derived from it

Full contact

S Material: Nitrile rubber

Minimum layer thickness: 0,11 mm

Break through time: 480 min

Material tested: Dermatril® (KCL 740 / Aldrich Z677272, Size M)

data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail sales@kcl.de, test method: EN374

If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario

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Body Protection

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

9. Physical and Chemical Properties

Appearance: Form: Solid. Colour: Metallic Silver

pH: No data available

Odor: No data available.

Solubility: No data available.

Relative Density : No data available

Boiling Point: No data available

Melting Point: 1.850 °C

Flammability (solid, gas): No data available

Partition coefficient: Not applicable for inorganic substances n-octanol/water

Auto-ignition temperature: Not auto-flammable

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10. Stability and Reactivity

Reactivity

No data available

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

No data available

Conditions to avoid

Exposure to moisture may affect product quality.

Incompatible materials

Strong oxidizing agents, Acids, Magnesium, Aluminium

Hazardous decomposition products

Other decomposition products - No data available Hazardous decomposition products formed under fire conditions. - Calcium oxide In the event of fire: see section 5

11. Toxicological Information

Acute toxicity

LD50 Oral - Rat - > 10.000 mg/kg

LD50 Dermal - Rabbit - > 10.000 mg/kg

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Skin corrosion/irritation

Skin - reconstructed human epidermis (RhE)

Result: No skin irritation - 3 h

(OECD Test Guideline 439)

Serious eye damage/eye irritation

Eyes - Bovine cornea

Result: No eye irritation - 4 h

(OECD Test Guideline 437)

Respiratory or skin sensitisation

Local lymph node assay (LLNA) - Mouse

Result: negative

(OECD Test Guideline 429)

Germ cell mutagenicity

Ames test

Escherichia coli/Salmonella typhimurium

Result: negative

Mutagenicity (mammal cell test): chromosome aberration. Human lymphocytes

Result: negative

In vitro mammalian cell gene mutation test mouse lymphoma cells

Result: negative

Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

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Reproductive toxicity

No data available

Specific target organ toxicity - single exposure

No data available

Specific target organ toxicity - repeated exposure

No data available

Aspiration hazard

No data available

Additional Information

RTECS: ZC0110000

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

12. Ecological Information

Toxicity

No data available.

Persistence and degradability

No data available.

Bio accumulative potential

No data available.

Mobility in soil

No data available.

Additional ecological information: General notes:

No data available.

Results of PBT and vPvB assessment

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This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Other adverse effects

No further relevant information available.

13. Disposal Considerations

Product

The material can be disposed of by removal to a licensed chemical destruction plant or by controlled incineration with flue gas scrubbing. Do not contaminate water, foodstuffs, feed or seed by storage or disposal. Do not discharge to sewer systems.

Contaminated packaging

Containers can be triply rinsed (or equivalent) and offered for recycling or reconditioning. Alternatively, the packaging can be punctured to make it unusable for other purposes and then be disposed of in a sanitary landfill. Controlled incineration with flue gas scrubbing is possible for combustible packaging materials.



14. Transport Information

UN-Number

ADR, ADN, IMDG, IATA

Not applicable

14.2 UN proper shipping name

ADR, ADN, IMDG, IATA

Not applicable

14.3 Transport hazard class(es)

ADR, ADN, IMDG, IATA

Class

Not applicable

Packing group

ADR, IMDG, IATA

Not applicable

14.5 Environmental hazards:

Not applicable.

14.6 Special precautions for user

Not applicable.

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC

Code

Not applicable.

UN "Model Regulation": -

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15. Regulatory Information

U.S.REGULATIONS:

Cercla sections 102a/103 hazardous substances(40CFR 302.4):

not regulated.

SARA title iii section 302 extremely hazardous substances(40 CFR 355.40):

not regulated.

SARA title iii sections 311/312 hazardous categories(40 CFR 370.21):

ACUTE:NO

CHRONIC:NO

FIRE:NO

REACTIVE:NO

SUDDEN RELEASE:NO

SARA title iii sections 313 (40 CFR 372.65):not regulated.

OSHA PROCESS SAFETY (29CFR1910.119): not regulated

STATE REGULATIONS:

California proposition 65: not regulated

Canadian regulations: not determined

Whmis classification: not determined

European regulations:

EC classification (calculated):not determined.

National inventory status:

U.S.inventory(TSCA):Listed on inventory.

TSCA 12(b) export notification: not listed.

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