Material Safety Data Sheet
Colour Masterbatch

Section 1 - Product Identification

Synonyms : Color Masterbatch
Molecular Weight : 106.17 g/mol
Chemical Formula : C_8H_{10}
Company Identification : Tradeasia International Pte. Limited
Address : 133 Cecil Street # 12-03 Keck Seng Tower, Singapore
Tel: +65-6227 6365
Fax: +65-6225 6286
Email: contact@chemtradeasia.com

Recommended use of the chemical and restrictions on use:

Section 2 – Composition/Information on Ingredients

Chemical Name	EC/CAS No	Weight, %
Polyethylene Hexene Copolymer	25213-02-9	70-80
Lead Chromate	1344-37-2	10-20
Titanium Dioxide	13463-67-7	10-20

Section 3 – Hazards Identification

3.1 Classification of the substance or mixture

Classification: Combustible dust

3.2 Label elements

Signal word - Warning

Hazard statement(s)

May form combustible dust concentrations in air. While this product may not be a combustible dust as sold, further processing or handling may form combustible dust concentration in air.

3.3 Other hazards

None

Section 4 – First-Aid Measures

4.1. Description of first aid mesaures

Skin contact

If the molten material gets on skin, quickly cool in water. Seek immediate medical attention. Do not try to peel the solidified material from the skin or use solvents or thinners to dissolve it.

Eye contact

In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Inhalation

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

Ingestion

Do not induce vomiting without medical advice.

Precaution

N.A.

4.2. Most important symptoms and effects, both acute and delayed

N.A.

4.3. Indication of any immediate medical attention and special treatment needed

N.A.

Section 5 – Fire Fighting Measures

5.1. Suitable Extinguishing media

Water. Water mist. Dry chemical. Carbon dioxide (CO2). Foam. If possible, water should be applied as a spray from a fogging nozzle since this is a surface burning material. The application of high velocity water will spread the burning surface layer.Avoid the use of straight streams that may create a dust cloud and the risk of a dust explosion. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

5.2. Specific hazards arising from the chemical

Risks of ignition followed by flame propagation or secondary explosions can be caused by the accumulation of dust, e.g. on floors and ledges.

5.3. Special protective actions for fire-fighters

Use personal protective equipment. Wear self-contained breathing apparatus for firefighting if necessary.

Section 6 – Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

Sweep up to prevent slipping hazard. Avoid breathing dust. Avoid dust formation.

6.1.1 For non-emergency personnel

N.A

6.1.2. For emergency personnel

N.A

6.2. Environmental precautions

Do not contaminate surface water. Prevent product from entering drains.

6.3. Methods and material for containment and cleaning up

Clean up promptly by sweeping or vacuum.

Section 7 – Handling and Storage

7.1. Precautions for safe Handling

Use good housekeeping for safe handling of the product. Keep out of water sources and sewers.
Spilled pellets and powders may create a slipping hazard.
Electrostatic charge may accumulate and create a hazardous condition when handling this material. To minimize this hazard, bonding and grounding may be necessary, but may not by themselves be sufficient. At elevated temperatures (>350° F, >177° C), polyethylene can release vapors and gases, which are irritating to the mucous membranes of the eyes, mouth, throat, and lungs. These substances may include acetaldehyde, acetone, acetic acid, formic acid, formaldehyde and acrolein. Based on animal data and limited epidemiological evidence, formaldehyde has been listed as a carcinogen. Following all recommendations within this SDS should minimize exposure to thermal processing emissions

7.2. Conditions for safe storage, including any incompatibilities

Keep in a dry place. Keep in a well-ventilated place.

7.2.1 Incompatible product

Do not store together with oxidizing and self-igniting products.

7.2.2 Incompatible materials

N.A.

Section 8 – Exposure Controls/Personal Protection

8.1. Control parameters

8.2. Appropriate engineering controls

Consider the potential hazards of this material (see Section 2), applicable exposure limits, job activities, and other substances in the work place when designing engineering controls and selecting personal protective equipment. If engineering controls or work practices are not adequate to prevent exposure to harmful levels of this material, the personal protective equipment listed below is recommended. The user should read and understand all instructions and limitations supplied with the equipment since protection is usually provided for a limited time or under certain circumstances

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

Respiratory protection

No respiratory protection is normally required. If heated material generates vapor or fumes that are not adequately controlled by ventilation, wear an appropriate respirator. Use the following elements for air-purifying respirators: Organic Vapor and Formaldehyde. Use a positive pressure, air-supplying respirator if there is potential for uncontrolled release, exposure levels are not known, or other circumstances where air-purifying respirators may not provide adequate protection. Dust safety masks are recommended when the dust concentration is excessive.

Eyes protection

Use of safety glasses with side shields for solid handling is good industrial practice. If this material is heated, wear chemical goggles or safety glasses with side shields or a face shield. If there is potential for dust, use chemical goggles.

Skin protection

At ambient temperatures use of clean and protective clothing is good industrial practice. If the material is heated or molten, wear thermally insulated, heat-resistant gloves that are able to withstand the temperature of the molten product. If this material is heated, wear insulated clothing to prevent skin contact if engineering controls or work practices are not adequate.

Other information

Consider the potential hazards of this material (see Section 2), applicable exposure limits, job activities, and other substances in the work place when designing engineering controls and selecting personal protective equipment. If engineering controls or work practices are not adequate to prevent exposure to harmful levels of this material, the personal protective equipment listed below is recommended. The user should read and understand all instructions and limitations supplied with the equipment since protection is usually provided for a limited time or under certain circumstances.

Section 9 – Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance : solid pellets
Odour : mild to no odor
Odour threshold : N.A.
pH @ 25° C : N.A
Melting point : 90 - 140 °C
Boiling point : N.A.
Density: 0.91 – 0.97 g/cm^3

Flash point : N.A.
Evaporation rate : N.A.
Flammability : N.A.
Vapour pressure : N.A.
Vapour density : N.A.
Relative density: N.A.
Solubility: Negligible
Auto-ignition temperature : N.A.
Decomposition temperature : N.A.
Viscosity : N.A.
Explosive properties: N.A.
Oxidizing properties: N.A.

Section 10 – Stability and Reactivity

10.1. Reactivity

This material is considered non-reactive under normal ambient and anticipated storage and handling conditions of temperature and pressure.

10.2. Chemical stability

This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

10.3. Possibility of hazardous reactions

N.A

10.4. Conditions to avoid:

Avoid prolonged storage at elevated temperature.

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

Normal combustion forms carbon dioxide, water vapor and may produce carbon monoxide, other hydrocarbons and hydrocarbon oxidation products (ketones, aldehydes, organic acids) depending on temperature and air availability. Incomplete combustion can also produce formaldehyde.

Section 11 – Toxicological Information

Information on toxicological effects

Acute toxicity

Presumed Not Toxic

Skin corrosion / irritation

Presumed Not Toxi

Serious eye damage/ irritation

N.A.

Respiratory or skin sensitization

N.A.

Germcell mutagenicity

N.A.

Carcinogenicity

N.A.

Reproductive toxicity

N.A.

STOT-single exposure

N.A.

STOT-repeated exposure

N.A.

Aspiration Hazard

N.A.

Potential health effects

N.A

Section 12 – Ecological Information

12.1.Toxicity

Lead chromate – Very toxic to aquatic life.

12.2. Persistence and degradability

N.A.

12.3. Bioaccumulative potential

N.A

12.4. Mobility in soil

N.A.

12.5. Other adverse effects

This material is not expected to be harmful to aquatic organisms., Fish or birds may eat pellets which may obstruct their digestive tracts.

Section 13 – Disposal Considerations

13.1. Disposal methods Product

Burn in a chemical incinerator equipped with an afterburner and scrubber b highly flammable.Offer surplus and non-recyclable solutions to a licensed disposal company.

13.2 Ecotoxicity Effect

N.A.

Section 14 – Transport Information

14.1. UN number : N.A.

14.2. UN proper shipping name : N.A

14.3. Transport of hazard classes : N.A

14.4. Packing group : N.A

14.5. Environmental hazards : N.A.

14.6. Special precautions for user : N.A

14.7. Incompatible materials: N.A.

Section 15 – Regulatory Information

15.1. Safety, health and environmental regulations for the substance/mixture

Notification status:

U.S. EPA TSCA Inventory	Unlisted
Canadian DSL	Unlisted
EINECS	Unlisted
South Korea	Unlisted
Japanese MITI	Unlisted

Ensure all national/local regulations are observed.

Section 16 : Additional Information

Revision date: 2/8/2019

Other information: None.

16.1. Disclaimer of Liability

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