

# **SAFETY DATA SHEET**

Revision date 1 Jan 2015

## **1- IDENTIFICATION OF THE SUBSTANCE /THE PRODUCT AND OF THE COMPANY**

### 1.1 Identification of the substance / the preparation / the product

Product Name HYBRID (METALLIC COATED)

### 1.1 Application of the substance / the preparation / the product

Uses of the product : Decorative Applications.

### 1.2 Company identification

PROPRIETARY

## **2. HAZARDS IDENTIFICATION**

Classification: Not hazardous according to EU directives 67/548/EEC or 1999/45/EC

Additional danger advice: No health & environment risks are apparently known from this product .We, However, have no data available of chronic and skin irritating effects when physical contacts has occurred.

## **3. COMPOSITION / INFORMATION ON INGREDIENTS**

### 3.1 Chemical Characteristics

Description: Precision Cut Epoxy Coated Polyester Glitter.

### 3.2 Ingredients

<b>COMPONENT</b>	<b>BY WEIGHT %</b>	<b>CAS No.</b>
Polyethylene Terephthalate	93.5~96.5	25038-59-9
Epoxy copolymer	3.5~6.0	67924-34-9
Aluminium	0.2~0.5	7429-90-5

#### **4. FIRST-AID MEASURES**

- Following inhalation:** Take the person to fresh air, after inhalation of dust particles & decomposition gases, to avoid from hypothermia. Place the person in a stabilized side position Please contact a physician for treatments.
- Following skin contact:** Rinse with water over the affected areas of skin for at least 15 min. Remove contaminated clothes. In case of burns, skin irritations or other symptoms please contact a physician.
- Following eye contact:** Do not rub in case of particles in the eye. Please. Rinse eyes thoroughly with plenty of running water, but remove contact lenses prior to this. In case of irritations and other symptoms please contact your physician.
- Following swallowing:** Rinse mouth thoroughly and drink plenty of water. In case of indisposition call a physician.
- Advise to the physician:** No Toxic effects of the product itself except for thermal decomposition and fire are unknown. In case of any discomforts please treat symptomatically.

#### **5. FIRE FIGHTING MEASURES**

Suitable extinguishing media:

Water spray, extinguishing foam, extinguishing powder, carbon dioxide.

For safety reason unsuitable extinguishing agents: Jet of water

Special dangers:

Carbon monoxides (CO) and other toxic and flammable gases can be released.

Special protective equipment:

An independent respiratory device (isolation device) should be used

Additional advice:

The product can ignite in case of fire and can burn outside of the source of ignition.

Toxic flammable gases and vapours can released through thermal decomposition. It is possible that flames can spread through spontaneous ignition of gaseous decomposition products. Cool the Collect the burn residues and water for firefighting compliance with the legal regulations.

## **6. ACCIDENTAL RELEASE MEASURES**

Personal protection:

Avoid the build up of dust. Do not inhale any dust. Keep sources of ignition away from the dust.

Environmental measures:

Waste water must be mechanically cleaned from rest products prior to emptying into the sewer system.

Cleaning procedures and absorption:

Dry absorption and if possible re-utilization of the material.

## **7. HANDLING AND STORAGE**

### **7.1 Handling**

Safety advice:

Avoid overheating through improper processing and dusting.

Technical protective measures:

Local ventilation and airing guarantee, that all limits mentioned under point 8.1 are maintained.

Fire and explosion protection information:

Keep away from sources of ignition

### **7.2 Storage**

Requirements for Storage in rooms and containers:

Store in a cool dry place, away from excessive heat or sources of ignition.

Additional details regarding Storage:

Protect from heat. Comply with the appropriate Regulations of the Company's fire prevention measure.

Storage class:

LGK 11 (flammable solid materials)

## **8. EXPOSURE CONTROL/PERSONAL PROTECTION**

### **8.1 Exposure limits and monitoring in the workplace**

Respiratory protection:

Avoid dusting-wear niosh/msha approved dust respirator when dispensing bulk into other containers.

Use dust mask that conforms to En 143 or a half mask with particle filter FFP1 OR PP2 conforms to EN 141. Caution! Limited Wearing period.

Hand protection:

Impervious gloves recommended

Eye protection:

Any approved chem workers goggles). Side-shielded safety goggles that conform to EN 166 are required when carrying out mechanical processing with exposure to dust.

Body protection:  
Generally, normal working clothes are sufficient

General work protection and hygiene measures:  
Do not inhale dust. Avoid contact with eyes, skin and clothes. Do not eat, drink, smoke or snuff during work.  
Change soiled clothes. Protect skin by using e. g. skin lotions and -creams

## 8.2 Restrictions and monitoring of the environmental exposure

These products are not considered to be hazardous under normal conditions of use .

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 General details

Physical condition:	Solid
Shape:	Small particles in either rectangular, hexagonal or square shapes
Odour:	Odourless
Colour:	Various

### 9.2 Important details regarding health / environmental protection as well as safety

pH value:	Non-applicable
Heat Resistance:	175 °C
Melting point / melting range:	235-290 °C
Boiling point / boiling range:	Cannot be measured as decomposition occurs first
Flash Point:	Non-applicable
Ignition temperature:	>300°C
Self-ignition point (Solid/Gas):	Not self-igniting
Blaze properties:	None
Risk of explosion:	Possible dust- or decomposition gas explosion
Vapour pressure:	To be disregarded
Specific weight:	1.38kg/dm
Bulk density:	between 0.50 and 0.60kg/dm <sup>3</sup> - depending on particle size/gauge
Water solubility:	Insoluble in water
Partition coefficient n-Octanol/water:	N/A
Viscosity:	Non-applicable
Vapour density:	Non-applicable
Evaporation speed:	Non-applicable

### 9.3 Additional details

There are no further details required regarding safety-relevant parameters.

## 10. STABILITY AND REACTIVITY

It is recommended to carry out a trial run prior to processing the product.

### 10.1 Conditions to be avoided

Pyrolysis, dangerous decomposition products and dangerous reactions will not occur if the product is used as intended.

### 10.2 Substances to be avoided

Potent acids, bases and oxidation agents.

### 10.3 Dangerous decomposition products when heated

Oxides of Carbon, Hydrocarbons, Aldehydes

## 11. TOXICOLOGICAL DATA

There is no toxicological data available.

According to our knowledge, these products are not considered to be hazardous under normal conditions of use, If Inhaled or Ingested There are no known adverse affects to be expected, However, In The Event Of Accidental Exposure Always Seek Medical Attention.

## 12. ECOLOGICAL INFORMATIONS

There is no ecotoxicological data available.

According to our knowledge, these products are not expected to produce any adverse environmental effects.

## 13. DISPOSAL INFORMATION

No waste is produced from the product that would require special supervision according to the 91/689/EEC and 2006/12/EC guidelines.

## 14. TRANSPORT INFORMATIONS

Non –hazardous materials in terms of ADR/GGVS, RID/GGVE, ICAO /IATA, IMDG.

## 15. REGULATORY REGULATIONS

EU Regulations

Classification and labeling: None in accordance to the EU Directive 67/548/EEC (substance directive), 1999/45/EC (dangerous preparation directive) or in accordance to any other Known EU regulations.

## 16. OTHER INFORMATION

### 16.1 Summary of the Risk -/Safety-Phrases

S-Phrases	S(2)	To be kept out of reach of children
	S7/8	Keep container dry and tightly closed
	S43	To extinguish use dry powder. Do not use water.

### 16.2 Further Information

**Disclaimer:** *Our technical advice, information and statements – given verbally, in writing or in the form of test results – are offered for your guidance without warranty. NO WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS MADE. This also applies where protective rights of third parties are involved. It does not release the user from the obligation to test the suitability of the products and formulas for the intended process and applications. Our guarantee is limited to the consistent quality of the products.*