ZETAPRO

Material Safety Data Sheet

1. Identification of the substance / mixture and the company / undertaking

1.1 Product Identifier / name: Zetacartridge No.1 Polyester Resin.
1.2 Use of substance / mixture: Chemical Anchoring
1.3 Details of the supplier:

Zetapro Ltd. Unit B4, Thorne Enterprise Park, King Edward Road, Thorne, Doncaster, DN8 4HU.
Tel 44(0)1405 813003. Email: zetaproltd@gmail.com

1.4 Emergency telephone number: +44 (0)1405 813003

2 Hazard Identification

2.1 Classification under CLP: Eye Irrit. 2:Repr.2: H361d; Skin Sens. 1:H317; STOT RE 2:
May cause an allergic skin reaction.
2.2 Label elements. Label elements. H317: May cause an allergic skin reaction. H319: Causes serious eye irritation.
Signal Words. Warning



Warning
Hazard pictograms: GHS07: Exclamation mark. GHS08: Health hazard.
Precautionary statement: P202: Do not handle until all the safety precautions have been read and understood. P280:Wear protective gloves/clothing/eye protection/face protection. P302+352: If on skin: Wash with plenty of water/soap. P305+351+338: If in eyes: Rince cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. P308+313: If exposed or concerned: Get medical advice / attention

3 Composition/ information on ingredients

3.1 Mixtures: Styrene CAS-No.:100-42-5 CLP Classification.
CLP Classification
Flam. Liq. 3 – H226 ; Repr.2: H361D; Acute Tox. 4: H332; STOT RE 1:H372; Skin Irrit. 2: H315; EYE Irrit. 2 H319.
Percentage 3–10 %
Benzoyl Peroxide. CAS-No.:94-36-0. Skin Sens. 1: H317; Org.Perox. B: H241; Eye Irrit. 2: H319. Percentage 1-3%
Ethylhexyl Benzoate. CAS-No. 5444-75-7. Aquatic Chronic 4: h413. Percentage 1-3%

4 First aid Measures

Skin Contact. Incase of skin contact wipe off mechanically, and wash afflicted areas with soap and water.
Eye Contact. Rinse carefully and thoroughly with water and seek medical attention
Inhalation. Move to fresh air. Seek medical advice.
Ingestion Do Not induce vomiting. Rinse mouth. Seek medical attention

Fire Fighting Measures

5.1 Extinguishing Media. Dry powder, carbon dioxide or foam.
5.2 Advise to firefighters. Wear self-containing breathing apparatus.

6. Accidental Release Measures.

6.1 Enviromental Precautions. Do not discharge into drains or rivers. Contain the spillage using bunding.
6.2 Personal Precaution. Refer to section 8 of SDS for personal protection details.

7. Handling and Storage

Handling. Keep away from sources of ignition and heat .Ensure adequate ventilation.
Storage. Store in a cool, well ventilated place away from direct sunlight.

8. Exposure Control/Personal Protection

Respiratory Protection. Provide adequate ventilation. In enclosed areas an organic vapour mask will be required if the exposure limit is exceeded.
Skin Protection. Wear suitable protective clothing at all times.
Eye Protection. Safety glasses.
Exposure control limits Styrene-100ppm or 420mg./m3.(8 Hours) Short term 15 minutes 250ppm or 1080mg /m3. Dibenzoyl peroxide-5ml/m3 (8 Hours)

9. Physical and Chemical Properties

Appearance	Paste
Odour	Characteristic odour
Density	1.71g/cm3
Flash Point	32 degrees C
Explosive/Oxidising Properties	Lower 1.1%, Upper 8% limit
Solubility	Insoluble in water

10. Stability and Reactivity.

10.1 Stability. Product is stable and non reactive whilst in cartridge.
10.2 Chemical stability. Stable under normal conditions. May polymerise on heating.
10.3 Possibility of hazardous reaction. Hazardous reaction will not occur under normal transport conditions.
10.4. Conditions to avoid. Conditions to avoid. Heat. Air. Sources of ignition. Direct sunlight.
10.5. Incompatible materials. Materials to avoid. Acids. Alkalis. Heavy metal compounds. Reducing agents. Organic peroxide.
10.6. Hazardous decomposition products. In combustion emits toxic fumes. Pressure rise and possible bursting of container may follow.

11. Toxicology Information

11.1 Styrene. IVN. MUS. LD50. 90MG/KG
ORL. MUS. LD50. 316MG/KG
ORL. RAT. LD50. 2650MG/KG
Dibenzoyl Peroxide. ORL. MUS. LD50. 570MG/KG
ORL. RAT. LD50. 7710MG/KG
Symptoms/routes of exposure. **Skin contact**: There may be irritation and redness at the site of contact
Eye contact. There may be irritation and redness.
Ingestion: No data available
Inhalation: Harmful by inhalation.

12.Ecological Information

12.1. **Toxicity: Ecotoxicity values**: No data available.
12.2. Persistence and degradability: No data available.
12.3. Bioaccumulative potential: No data available.
12.4. Mobility in soil: Insoluble in water. Heavier than water.
12.5. Results of PBT AND VPVB ASSESSMENT. This product is not identifies as a PBT/VPVB SUBSTANCE.

13. Disposal conditions

13.1. Transfer to a suitable container and arrange for collection by a specialized disposal company. Small quantities can be mixed and allowed to cure, then can be disposed as solid waste.

14. Transport

UN number: UN3269. Polyester resin kit with styrene. Transport class 3. Packing group III. Not Environmentally hazardous. Tunnel code E. Transport category 3.

15. Regulatory Information.

15.1. Safety, health and environmental regulation specific for the substance or mixture. Specific regulations: Not applicable**.**

15.2. Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

16. Other information.

16.1 This safety data sheet is prepared in accordance with commission regulation (EU) No 453/2010.

Risk phrases in full.

H226: Flammable liquid and vapour.
H241: Heating may cause a fire or explosion.
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H319: Causes serious eye irritation.
H332: Harmful if inhaled.
H413: May cause long lasting harmful effects to aquatic life.

Legal disclaimer:

The product should be stored, handled, used and disposed of in accordance with the above guidelines. Users should consider the information as a guideline only and should make their own considerations when using the product in terms of suitability and safety. It should not be construed as guaranteeing specific properties.

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