

## 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: Rinse 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.** In case 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 **Environmental 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./m<sup>3</sup>. (8 Hours) Short term 15 minutes 250ppm or 1080mg /m<sup>3</sup>. Dibenzoyl peroxide-5ml/m<sup>3</sup> (8 Hours)

## 9. Physical and Chemical Properties

Appearance	Paste
Odour	Characteristic odour
Density	1.71g/cm <sup>3</sup>
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 identified 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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Revised 01/12/19

Issue number 4