

# MATERIAL SAFETY DATA SHEET

## 1. Chemical Product and Identification of Company

**Product name** : EPKOTE PE 280

**Product category**: Epoxy coating

**Company** : Redwop Chemicals Pvt. Ltd.

**Address** : 2nd Floor, Pearl Plaza Complex, B/S GT Sheth School, Near KKV Hall, 150ft Ring Road, Rajkot- Pin.360005 Gujarat, INDIA

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## 2. Composition or Information on Ingredient

**Composition**: epoxy resin based compounds

None of the ingredients of this product are classified as hazardous.

- All constituents of this product are listed in **EINECS** (European Inventory of Existing Commercial Chemical Substances) or **ELINCS** (European List of New Chemical Substances) or are exempt. Refer to Section 8 for Occupational Exposure Limits.

## 3. Hazards Identification

No significant hazard

## 4. First Aid Measures

**Eyes** : Irrigate immediately with copious quantities of water for several minutes. Obtain Medical attention if irritation persists.

**Skin** : Wash thoroughly with soap and water or suitable skin cleanser as soon as possible.

**Inhalation**: Remove from exposure - unlikely to occur.

**Ingestion** : Wash out mouth with water. Do not induce vomiting. Obtain medical attention

## 5. Fire Fighting Measures

**Special exposure hazards** –Epoxy

**Special exposure equipment**- Fire extinguisher

## 6. Accidental Release Measure

**Personal Precautions** : Wear suitable protective clothing, gloves and eye/face protection.

**Environmental Precautions** : Prevent entry into drains, sewers and water courses. Dispose properly.

**Decontamination Procedures**: Soak up with inert absorbent or contain and remove by best available means. Dispose of as waste.

## 7. Handling and Storage

**Handling** : Avoid skin and eye contact.

**Storage** : Protect from frost. Store away from acids.

**Engineering Control Measures**: No specific ventilation requirement.

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REDWOP CHEMICALS PVT. LTD.

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## 8. Exposure Controls or Personal Protection

**Occupational Exposure Limits** : None assigned

**Personal Protective Equipment:** Impervious gloves (e.g. PVC), Safety glasses / Goggles. Change contaminated clothing and clean before use.

## 9. Physical and Chemical Properties

Properties	Results
Colour	As per RAL sheds
Specific gravity	1.35 gm/cc
Tensile strength	135 Kg/cm <sup>2</sup>
Cured hardness	18 to 24 hours
Pot life	4 hours @ 20 <sup>0</sup> C 1.5 hours @ 35 <sup>0</sup> C
Recoat time	6 to 24 hours @20 <sup>0</sup> C 4 to 16 hours @35 <sup>0</sup> C
Chemical resistance	yes
flammable	yes
Solid by volume	90%
Temperature resistance	90 <sup>0</sup> c to 140 <sup>0</sup> c

**Note:** All these lab testing is carried under room temperature only.

## 10. Stability and Reactivity

- Stability** : Stable
- Conditions to avoid** : Temperatures (°C) below 0°C
- Materials to avoid** : Strong oxidizing agents, Strong acids & Strong alkalis.
- Hazardous decomposition products** : Epoxy resin based compound

## 11. Toxicological Information

There will be no any health problem on exposure to this admixture but care should be taken while handling it. It has no any toxicological characteristic.

## 12. Ecological Information

**Environmental Assessment:** This product avoid any type of environmental deterioration.

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## 13. Disposal Consideration

Disposal must be in accordance with local and national legislation.

**Unused Product** : Dispose of through an authorized waste contractor to a licensed site.

**Used/Contaminated Product:** Dispose according to rules

## 14. Transportation

The product is safe to transport from one place to other as it is supplied in safe and eco-friendly containers.

## 15. Regulatory Information

**Safety Phrases:** Avoid contact with skin and eyes.

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

## 16. Other Information

This material safety data sheet is made in accordance with product's characters. It has no any changes in safety and hazards information mentioned above as our product knowledge.

### Disclaimer:

We, Redwop Chemical Pvt. Ltd. hereby declare that the information provided in this data sheet are true and correct to the best of our knowlwdge. The material safety data sheet is made available by Redwop Chemical Pvt. Ltd. to give general information and understanding of the safety and health hazards during the use of this product.