



SAFETY DATA SHEET

CURING AGENT PR-34

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P.R. Epoxy Systems Ltd
Unit D2, The Court
Kestrel Road
TRAFFORD PARK
Manchester
M17 1SF
Tel: 0161 872 7618
Fax: 0161 876 4597

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Product name: CURING AGENT PR-34

Use / description of product: CURING AGENT

2. COMPOSITION / INFORMATION ON INGREDIENTS

Contains: CAS:-100-51-6. BENZYL ALCOHOL Xn; R20/22. >45%

CAS: 1761-71-3. METHYLENEDI(CYCLOHEXYLAMINE) - R22/35/37/43.<5%

3. HAZARDS IDENTIFICATION

Main hazards: Harmful by inhalation and if swallowed. Irritating to eyes and skin. May cause sensitisation by skin contact.

4. FIRST AID MEASURES (SYMPTOMS)

Skin contact: There may be mild irritation at the site of contact. An itchy rash may occur at the site of contact.

Eye contact: There may be pain and redness. Corneal burns may occur.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Dryness of nasal passages may be experienced when material is inhaled over a long period of time.

4. FIRST AID MEASURES (ACTION)

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Transfer to hospital if there are burns or symptoms of poisoning.

Eye contact: Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.

Ingestion: Do not induce vomiting. If unconscious, check for breathing and apply artificial respiration if necessary. If conscious, give 1 pint of water to drink immediately. If substance swallowed is corrosive, give 1 cup of water to drink every 10 minutes. If unconscious and breathing is OK, place in the recovery position. Transfer to hospital as soon as possible.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. If unconscious and breathing is OK, place in the recovery position. If unconscious, check for breathing and apply artificial respiration if necessary. If conscious, ensure the casualty sits or lies down. If breathing becomes bubbly, have the casualty sit and

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provide oxygen if available. Transfer to hospital as soon as possible.

5. FIRE-FIGHTING MEASURES

Extinguishing media: Water spray. Alcohol or polymer foam. Carbon dioxide. Dry chemical powder.

Exposure hazards: In combustion emits toxic fumes of nitrogen oxides. Personnel in vicinity and downwind should be evacuated.

Protection of fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Refer to section 8 of SDS for personal protection details.

Environmental precautions: Alert the neighbourhood to the presence of fumes or gas.

Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method. Clean-up should be dealt with only by qualified personnel familiar with the specific substance. Dispose of as hazardous waste.

7. HANDLING AND STORAGE

Handling requirements: Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not eat, drink or smoke.

Storage conditions: Store in cool, well ventilated area. Keep container tightly closed. Avoid incompatible materials and conditions - see section 10 of SDS.

Suitable packaging: Steel drums.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures: Ensure there is sufficient ventilation of the area.

Respiratory protection: Suitable respiratory protective device

Hand protection: Protective gloves.

Eye protection: Goggles giving complete protection to eyes and eyewash bottle with clean water.

Skin protection: Protective clothing with elasticated cuffs and closed neck.

9. PHYSICAL AND CHEMICAL PROPERTIES

State: Liquid

Colour: Orange-brown

Odour: Characteristic odour

Solubility in water: Slight(0.1 - 1%)

Boiling point/range°C: 222.00

Flash point°C: 103.89 Closed cup

Vapour pressure: mmHg@21C0.69925

Relative density: 1.06@ 21°C

pH: Alkaline

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Materials to avoid: Reducing agents. Oxidising agents. Sodium. Zinc. Nitrates. Peroxides Alkalis. Amines. Copper. Acids. A reaction accompanied by large heat release occurs when the product

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is mixed with acids, could cause vigorous boiling creating a hazard due to spashing of hot material.

Haz. decomp. products: In combustion emits toxic fumes. In combustion emits toxic fumes of carbon dioxide and carbon monoxide. In combustion emits toxic fumes of nitrogen oxides. Nitrogen oxide can react with water vapours to form corrosive nitric acid.

11. TOXICOLOGICAL INFORMATION

Effects of exposure IRRITATION EFFECTS DATA: Mild irritant to the skin of a rabbit.

Ingredient 1: ORL RAT LD50 1230mg/kg

12. ECOLOGICAL INFORMATION

Other adverse effects: Waste from this product may present long term environmental hazards, therefore incineration is considered more acceptable than landfill.

13. DISPOSAL CONSIDERATIONS

Waste disposal: Arrange for collection by specialised disposal company.

Disposal of packaging Arrange for collection by specialised disposal company.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

14. TRANSPORT INFORMATION

ADR / RID

IMDG / IMO

IATA / ICAO

15. REGULATORY INFORMATION

Hazard symbols: Harmful.



Risk phrases: R20/22: Harmful by inhalation and if swallowed.

R36/38: Irritating to eyes and skin.

R43: May cause sensitisation by skin contact.

Safety phrases: S24: Avoid contact with skin.

S37: Wear suitable gloves.

Note: The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

16. ADDITIONAL INFORMATION

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.