

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

Product information

Trade name : Redrock PGR (Resin)

Red Rock (2004) Ltd.

P.O.Box 12091

Birmingham B13 9WS

Fax 0121 246 4441

Tel: (0044) 0870 910 7799

Email: info@redrock-uk.co.uk

2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous ingredients:

STYRENE >90%

EINECS: 202-851-5 CAS: 100-42-5

[-] R10; [Xn] R20; [Xi] R36/38

• XYLIDINES WITH THE EXCEPTION OF THOSE SPECIFIED ELSEWHERE IN THE ASL
0.1-10%

[T] R23/24/25; [Xn] R33; [N] R51/53

3. HAZARDS IDENTIFICATION

Main hazards: Flammable. Harmful by inhalation. Irritating to eyes and skin. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

4. FIRST AID MEASURES

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be irritation and redness. The eyes may water profusely.

Ingestion: There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur. There may be vomiting.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

First Aid Actions

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. Consult a doctor.

Eye contact: Bathe the eye with running water for 15 minutes. Consult a doctor.

Ingestion: Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Consult a doctor.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

5. FIRE-FIGHTING MEASURES

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

Exposure hazards: In combustion emits toxic fumes.

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 MSDS for personal protection details. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid.

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

7. HANDLING AND STORAGE

Handling requirements: Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of mists in the air.

Storage conditions: Store in cool, well ventilated area. Keep container tightly closed. The floor of the storage room must be impermeable to prevent the escape of liquids.

Suitable packaging: Must only be kept in original packaging.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Hazardous ingredients: STYRENE

TWA (8 hr exposure limit): 430 mg/m³ STEL (15 min exposure limit): 1080 mg/m³ (MEL)

Engineering measures: Ensure there is sufficient ventilation of the area. The floor of the storage room must be impermeable to prevent the escape of liquids.

Respiratory protection: Self-contained breathing apparatus must be available in case of emergency.

Hand protection: Impermeable gloves.

Eye protection: Safety glasses. Ensure eye bath is to hand.

Skin protection: Impermeable protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

State: Liquid

Colour: Yellow-tan

Odour: Characteristic odour

Solubility in water: Slightly soluble

Viscosity: Non-viscous

Flash point°C: 31

Relative density: 1.1

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Conditions to avoid: Heat. Sources of ignition.

Materials to avoid: Oxidising agents. Acids. Amines.

Haz. decomp. products: In combustion emits toxic fumes

11. TOXICOLOGICAL INFORMATION

Hazardous ingredients: STYRENE

IVN MUS LD50 90 mg/kg

ORL MUS LD50 316 mg/kg

ORL RAT LD50 2650 mg/kg

Routes of exposure: Refer to section 4 of MSDS for routes of exposure and corresponding symptoms.

12. ECOLOGICAL INFORMATION

Mobility: Readily absorbed into soil.

Persistence and degradability: Not biodegradable.

Bioaccumulative potential: Bioaccumulation potential.

Other adverse effects: Toxic to aquatic organisms. Toxic to soil-based organisms.

13. DISPOSAL CONSIDERATIONS

Disposal of packaging: Dispose of in a regulated landfill site or other method for hazardous or toxic wastes.

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

14. TRANSPORT INFORMATION

ADR / RID

UN no: 3269

Packing group: III

Shipping name: POLYESTER RESIN KIT

Labelling: 3 (Flammable Liquid)

ADR Class: 3

Classification code: F1

IMDG / IMO

UN no: 3269

Packing group: III

Marine pollutant:

Labelling: 3

Class: 3

EmS: F-E, S-D

IATA / ICAO
UN no: 3269
Packing group: III
Labelling: 3

Class: 3
Packing instructions: 312

15. REGULATORY INFORMATION

Hazard symbols: Harmful.

Risk phrases: R10: Flammable.
R20: Harmful by inhalation.
R36/38: Irritating to eyes and skin.
R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety phrases: S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S38: In case of insufficient ventilation, wear suitable respiratory equipment.
S61: Avoid release to the environment. Refer to special instructions / safety data sheets.
S36/37/39: Wear suitable protective clothing, gloves and eye / face protection.
S3/9/49: Keep only in the original container in a cool, well-ventilated place.
S23: Do not breathe vapour.
S16: Keep away from sources of ignition - No smoking.

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. OTHER INFORMATION

Risk phrases used in s.2:

R10: Flammable.
R20: Harmful by inhalation.
R36/38: Irritating to eyes and skin.
R23/24/25: Toxic by inhalation, in contact with skin and if swallowed.
R33: Danger of cumulative effects.
R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Disclaimer: The provision of Material Safety Data Sheets comes under Regulation 6 of CHIP (CHIP is the recognised abbreviation for the Chemicals Hazard Information and Packaging Regulations). This is an addition to the Health and Safety at Work Act 1974. Users of this product should take appropriate measures to ensure working practices are in accordance with the Control of Substances Hazardous to Health Regulations (COSHH).

All information is based on results gained from experience and tests and is believed to be accurate but is given without acceptance of liability for loss or damage attributable to reliance thereon as conditions of use lie outside our control. Redrock 2004 Ltd. insists that users should always carry out sufficient tests to establish the suitability of any products for their intended applications. No statements shall be incorporated in any contract unless expressly agreed in writing nor construed as recommending the use of any product in conflict of any patent.

Red Rock (2004) Ltd.
P.O.Box 12091
Birmingham B13 9WS
Fax 0121 246 4441
Tel: (0044) 0870 910 7799
Email: info@redrock-uk.co.uk

Redrock PGR (Resin)
Version 1
Revision Date 02.07.2005

