

SAFETY DATA SHEET

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Issued: 16/05/2008

Revision No: 1

RS REACH MSDS Date 01/07/08

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

Product name: RS Cyanoacrylate Debonder

Index number: 01-005-702

Product code: 473-405

Use of substance / preparation: Debonder liquid for the removal of cyanoacrylate (superglue) adhesives

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2. HAZARDS IDENTIFICATION

Main hazards: Irritating to eyes.

Other hazards: Combustible.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients: PROPYLENE CARBONATE >90%

EINECS: 203-572-1 CAS: 108-32-7

[Xi] R36

4. FIRST AID MEASURES

(SYMPTOMS)

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

Eye contact: There may be pain 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 and diarrhoea. May cause dizziness.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Drowsiness or mental confusion may occur. Nausea and stomach pain may occur.

(ACTION)

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.

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

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

[cont...]

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. If breathing becomes bubbly, have the casualty sit and provide oxygen if available.

5. FIRE-FIGHTING MEASURES

Extinguishing media: Dry chemical powder. Carbon dioxide. Use water spray to cool containers.

Exposure hazards: In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

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. Evacuate the area immediately. 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. Wash the spillage site with large amounts of water.

7. HANDLING AND STORAGE

Handling requirements: Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Avoid the formation or spread of mists in the air. Prevent contact with water.

Storage conditions: Store in cool, well ventilated area. Keep container tightly closed.

Suitable packaging: Glass. Polyethylene. Coated steel.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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

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

Hand protection: Nitrile gloves. Viton gloves.

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

9. PHYSICAL AND CHEMICAL PROPERTIES

State: Liquid

Colour: Colourless

Odour: Barely perceptible odour

Evaporation rate: Negligible

Oxidising: Non-oxidising (by EC criteria)

Solubility in water: Miscible in all proportions

Also soluble in: Ethanol. Acetone.

Viscosity: Non-viscous

Viscosity value: ~2cPs@40oC

Boiling point/range°C: 235

Melting point/range°C: -47
Flammability limits %: lower: 1.8
upper: 15
Flash point°C: 68
Part.coeff. n-octanol/water: -0.48
Autoflammability°C: 430
Vapour pressure: <0.02kPa@20C
Relative density: 1.20
pH: 7

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.
Conditions to avoid: Heat.
Materials to avoid: Strong oxidising agents. Strong acids.
Haz. decomp. products: In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

11. TOXICOLOGICAL INFORMATION

Hazardous ingredients: PROPYLENE CARBONATE
ORL MUS LD50 20700 mg/kg
ORL RAT LD50 29100 µl/kg
Routes of exposure: Refer to section 4 of SDS for routes of exposure and corresponding symptoms.

12. ECOLOGICAL INFORMATION

Mobility: Readily absorbed into soil.
Persistence and degradability: Biodegradable.
Bioaccumulative potential: No bioaccumulation potential.
Other adverse effects: Negligible ecotoxicity.

13. DISPOSAL CONSIDERATIONS

Disposal operations: D10 Incineration on land.
Disposal of packaging: Dispose of in a regulated landfill site or other method for hazardous or toxic wastes. May be reused following decontamination. Clean with water.
NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

14. TRANSPORT INFORMATION

ADR / RID

Labelling: Non-hazardous

IMDG / IMO**Labelling:** Non-hazardous**IATA / ICAO****Labelling:** Non-hazardous**15. REGULATORY INFORMATION****Hazard symbols:** Irritant.**Risk phrases:** R36: Irritating to eyes.**Safety phrases:** S2: Keep out of the reach of children.

S25: Avoid contact with eyes.

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

S46: If swallowed, seek medical advice immediately and show this container or label.

Note: This product is suitable for debonding skin, but the user should avoid prolonged or repeated contact with skin to reduce the possibility of any irritation or dermatitis occurring. This product should not be used for debonding eyelids or lips or for bonded skin anywhere in the vicinity of the eyes or mouth. 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

Other information: This Safety Data Sheet is compiled with reference to The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002 (CHIP3) which implement the Council Directives 67/548/EC (The Dangerous Substances Directive) and 99/45/EC (The Dangerous Preparations Directive) and subsequent amending regulations to both, and also the Safety Data Sheet Directive 91/155/EC and subsequent amending regulations.

This safety data sheet is prepared in accordance with Regulation (EC) No 1907/2006.

Risk phrases used in s.3: R36: Irritating to eyes.

Legal disclaimer: The information contained in this safety data sheet was obtained from a variety of sources and is believed to be accurate and current at the stated issue date. RS Components Ltd. and/or its agents cannot accept any liability for the use of information contained in this data sheet or for the use, application or processing of the product described in this data sheet. Users should note the possibility of hazards occurring due to improper uses of the product.