

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name: PC 68 DEBONDER -LIQUID

Index number: 01-005-702

Product code: PC68 LIQUID

UFI: NFYX-KV9X-X11W-0E8Y

1.2. Relevant identified uses of the substance or mixture and uses advised against

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

1.3. Details of the supplier of the safety data sheet

Company name: Cyanotec Ltd

Bay 2 Building 62 Third Avenue

Pensnett Trading estate

Kingswinford

West Midlands

DY6 7XT

United Kingdom

Tel: +44 (0)1384 294753

Email: sales@cyanotec.com

1.4. Emergency telephone number

Emergency tel: +44 (0) 1384 294753 (9am - 5.30pm) Monday to Thursday

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP: Eye Irrit. 2: H319

Most important adverse effects: Causes serious eye irritation.

2.2. Label elements

Label elements:

Hazard statements: H319: Causes serious eye irritation.

Hazard pictograms: GHS07: Exclamation mark



Signal words: Warning

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Precautionary statements: P264: Wash hands thoroughly after handling.
P280: Wear protective gloves/eye protection.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313: If eye irritation persists: Get medical advice/attention.

Haz. ingredients (label): PROPYLENE CARBONATE

2.3. Other hazards

Other hazards: Combustible.

PBT: This product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

PROPYLENE CARBONATE - REACH registered number(s): 01-2119537232-48-XXXX

| EINECS | CAS | PBT / WEL | CLP Classification | Percent |
|-----------|----------|-----------|--------------------|---------|
| 203-572-1 | 108-32-7 | - | Eye Irrit. 2: H319 | >70% |

Section 4: First aid measures

4.1. Description of first aid measures

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

Eye contact: * Remove contact lenses if easily and quickly possible. 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.

4.2. Most important symptoms and effects, both acute and delayed

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

Eye contact: * There may be pain and redness. The eyes may water profusely. There may be severe pain. The vision may become blurred.

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

Inhalation: * There may be tightness of the chest.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

4.3. Indication of any immediate medical attention and special treatment needed

Immediate / special treatment: Eye bathing equipment should be available on the premises.

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Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: * Carbon dioxide. Dry chemical powder. Use water spray to cool containers. Unsuitable extinguishing media: High volume water jet.

5.2. Special hazards arising from the substance or mixture

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

5.3. Advice for fire-fighters

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

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not attempt to take action without suitable protective clothing - see section 8 of SDS. Turn leaking containers leak-side up to prevent the escape of liquid.

6.2. Environmental precautions

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

6.3. Methods and material for containment and cleaning up

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

6.4. Reference to other sections

Reference to other sections: Refer to section 8 of SDS.

Section 7: Handling and storage

7.1. Precautions for safe handling

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. Do not eat, drink or smoke when handling the material.

7.2. Conditions for safe storage, including any incompatibilities

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

Suitable packaging: Glass. Polyethylene. Coated steel.

7.3. Specific end use(s)

Specific end use(s): No data available.

Section 8: Exposure controls/personal protection

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8.1. Control parameters

Workplace exposure limits: No data available.

DNEL/PNEC Values

Hazardous ingredients:

PROPYLENE CARBONATE

| Type | Exposure | Value | Population | Effect |
|------|------------------------------------|-------------------------|------------|----------|
| DNEL | Inhalation (repeated dose) | 70.53 mg/m ³ | Workers | Systemic |
| DNEL | Inhalation (repeated dose) | 20 mg/m ³ | Workers | Local |
| DNEL | Dermal (repeated dose) | 10mg/Kg bw/day | Workers | Systemic |
| DNEL | Inhalation (repeated dose) | 17.4 mg/m ³ | Consumers | Systemic |
| DNEL | Inhalation (repeated dose) | 10 mg/m ³ | Consumers | Local |
| DNEL | Dermal (repeated dose) | 10mg/Kg bw/day | Consumers | Systemic |
| DNEL | Oral (repeated dose) | 10mg/Kg bw/day | Consumers | Systemic |
| PNEC | Fresh water | 0.9mg/l | - | - |
| PNEC | Marine water | 0.9mg/l | - | - |
| PNEC | Microorganisms in sewage treatment | 7400mg/l | - | - |
| PNEC | Soil (agricultural) | 0.81 mg/l | - | - |

8.2. Exposure controls

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. (thickness 0.15mm). Breakthrough time of the glove material > 8 hours.

Eye protection: * Tightly fitting safety goggles. Ensure eye bath is to hand.

Skin protection: Protective clothing.

Section 9: Physical and chemical properties

9.1. Information on basic 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

Kinematic viscosity: * 1.6 cSt

Viscosity test method: Kinematic viscosity in 10⁻⁶ m²/s at 40°C (ISO 3104/3105)

Boiling point/range°C: 235

Melting point/range°C: -49

Flammability limits %: lower: 4.7

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Flash point°C: 135
Autoflammability°C: 430
Relative density: 1.20
upper: 21
Part.coeff. n-octanol/water: -0.48
Vapour pressure: <0.02kPa@20°C
pH: 7

9.2. Other information

Other information: No data available.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below.

10.4. Conditions to avoid

Conditions to avoid: Heat.

10.5. Incompatible materials

Materials to avoid: Strong oxidising agents. Strong acids.

10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

Section 11: Toxicological information

11.1. Information on toxicological effects

Hazardous ingredients:

PROPYLENE CARBONATE

| | | | | |
|--------|-----|------|-------|-------|
| DERMAL | RBT | LD50 | >2000 | mg/kg |
| ORAL | RAT | LD50 | 33520 | mg/kg |

Relevant hazards for product:

| Hazard | Route | Basis |
|-------------------------------|-------|-----------------------|
| Serious eye damage/irritation | OPT | Hazardous: calculated |

Symptoms / routes of exposure

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

Eye contact: * There may be pain and redness. The eyes may water profusely. There may be severe pain. The vision may become blurred.

[cont...]

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

Inhalation: * There may be tightness of the chest.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

Section 12: Ecological information

12.1. Toxicity

Hazardous ingredients:

PROPYLENE CARBONATE

| | | | |
|--|-----------|-------|------|
| Carp (Cyprinus Carpio) | 96H LC50 | >1000 | mg/l |
| Daphnia magna | 48H EC50 | >1000 | mg/l |
| GREEN ALGA (Selenastrum capricornutum) | 72H ErC50 | 900 | mg/l |

12.2. Persistence and degradability

Persistence and degradability: Biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential: No bioaccumulation potential.

12.4. Mobility in soil

Mobility: Readily absorbed into soil.

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects

Other adverse effects: Negligible ecotoxicity.

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company.

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.

Section 14: Transport information

Transport class: This product does not require a classification for transport.

Section 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Specific regulations: * Not applicable.

[cont...]

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15.2. Chemical Safety Assessment

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

Section 16: Other information

Other information

Other information: * This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.

- The Classification, Labelling and Packaging Regulations (The "CLP" Regulations)

Some information in this datasheet was sourced from third parties including:-

European Chemicals Agency, <http://echa.europa.eu/>

UNECE, <http://www.unece.org/>

* indicates text in the SDS which has changed since the last revision.

Phrases used in s.2 and s.3: H319: Causes serious eye irritation.

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.