

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

### 1.1. Product identifier

**Product name:** KRYLEX KP687 DE-BONDER

**Index number:** 01-005-1702

**Product code:** KP687 LIQUID

### 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:** Chemence Ltd  
Princewood Road  
Earlstree Industrial Estate  
Corby  
Northants  
NN17 4XD  
United Kingdom

**Tel:** +44 (0) 1536 402 600

**Fax:** +44 (0) 1536 400 266

**Email:** technical@chemence.com

### 1.4. Emergency telephone number

**Emergency tel:** +44 (0) 1536 402 600 (9am - 5.30pm)

## 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

**Precautionary statements:** P264: Wash hands thoroughly after handling.

**SAFETY DATA SHEET**  
KRYLEX KP687 DE-BONDER

Page: 2

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.

**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-..

EINECS	CAS	PBT / WEL	CLP Classification	Percent
203-572-1	108-32-7	-	Eye Irrit. 2: H319	>75%

**Section 4: First aid measures**

**4.1. Description of first aid measures**

**Skin contact:** \* Wash immediately with plenty of soap and water. Remove and wash contaminated clothing before re-use. If irritation persists, obtain medical attention.

**Eye contact:** \* Make sure to remove any contact lenses from the eyes before rinsing. Bathe the eye with running water for 15 minutes. Keep eye wide open while rinsing. If symptoms persist, obtain medical attention.

**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. Move to fresh air in case of accidental inhalation of vapours. Get medical attention if any discomfort continues.

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

**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.

**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.

[cont...]

**SAFETY DATA SHEET**  
KRYLEX KP687 DE-BONDER

Page: 3

**Section 5: Fire-fighting measures**

**5.1. Extinguishing media**

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

**5.2. Special hazards arising from the substance or mixture**

**Exposure hazards:** \* Not applicable.

**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:** 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.

**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. Wash the spillage site with large amounts of water.

**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. Do not handle in a confined space. Do not eat, drink or smoke when handling the material. Ensure there is sufficient ventilation of the area. Prevent contact with water.

**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**

[cont...]

**SAFETY DATA SHEET**  
KRYLEX KP687 DE-BONDER

Page: 4

**8.1. Control parameters**

**Workplace exposure limits:** No data available.

**DNEL/PNEC Values**

**DNEL / PNEC** No data available.

**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.

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

**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:** ~2cPs@40°C

**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@20°C

**Relative density:** 1.20

**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.

[cont...]

**SAFETY DATA SHEET**  
KRYLEX KP687 DE-BONDER

Page: 5

**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:** \* Not applicable.

**Section 11: Toxicological information**

**11.1. Information on toxicological effects**

**Hazardous ingredients:**

**PROPYLENE CARBONATE**

ORL	MUS	LD50	20700	mg/kg
ORL	RAT	LD50	29100	µl/kg

**Relevant hazards for product:**

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

**Symptoms / routes of exposure**

**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.

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

**Section 12: Ecological information**

**12.1. Toxicity**

**\* Ecotoxicity values:**

Species	Test	Value	Units
FISH	96H LC50	>1000	mg/l
Daphnia magna	48H EC50	>1000	mg/l
GREEN ALGA (Selenastrum capricornutum)	72H ErC50	>929	mg/l

**12.2. Persistence and degradability**

**Persistence and degradability:** \* Readily biodegradable.

[cont...]

**SAFETY DATA SHEET**  
KRYLEX KP687 DE-BONDER

Page: 6

**12.3. Bioaccumulative potential**

**Bioaccumulative potential:** \* No bioaccumulation potential.

**12.4. Mobility in soil**

**Mobility:** \* No data available.

**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:** \* Do not empty into drains and avoid release to the environment. 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.

**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**

**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:** \* according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

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

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

**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. Chemence 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.