

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

1.1. Product identifier

Product name: KRYLEX KB084 INSTANT ADHESIVE

Index number: 01-005-1452

Product code: KB084

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

Use of substance / mixture: PC1: Adhesives, sealants. Cyanoacrylate adhesive

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: -: EUH202

Most important adverse effects: Cyanoacrylate. Danger. Bonds skin and eyes in seconds. Keep out of the reach of children.

2.2. Label elements

Label elements:

UFI: Q30P-MNYM-800R-HHDM

Hazard statements: EUH202: Cyanoacrylate. Danger. Bonds skin and eyes in seconds. Keep out of the reach of children.

Precautionary statements: * P262: Do not get in eyes, on skin, or on clothing.
P280: Wear eye protection, protective gloves.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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2.3. Other hazards

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

Section 3: Composition/information on ingredients

3.2. Mixtures

* Hazardous ingredients:

HYDROQUINONE

EINECS	CAS	PBT / WEL	CLP Classification	Percent
204-617-8	123-31-9	-	Carc. 2: H351; Muta. 2: H341; Acute Tox. 4: H302; Eye Dam. 1: H318; Skin Sens. 1: H317; Aquatic Acute 1: H400	<0.1%

Section 4: First aid measures

4.1. Description of first aid measures

- Skin contact:** Do not pull bonded skin apart. Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water. Any bonded skin should be gently peeled apart, preferably after soaking in warm, soapy water. In the case of large spills on the skin, superficial burns may occur - treat accordingly. If irritation persists, obtain medical attention.
- Eye contact:** Bathe the eye with running water for 15 minutes. If the eyelid is bonded closed, do not force open. Cover with wet pad soaked in warm water. Get prompt medical attention, in case solid particles of cured cyanoacrylate trapped behind the eye cause any abrasive damage. Keep eye covered with wet pad until debonding is complete, usually 1-3 days. (Cyanoacrylate will bond to eye protein, causing a lachrymatory effect that aids debonding). Transfer to hospital for specialist examination.
- Ingestion:** The product will polymerise immediately in the mouth, making it almost impossible to swallow, but beware of possible choking hazard. Ensure breathing passages are not obstructed. Saliva will separate the solidified product from the mouth over a period of hours. Consult a doctor.
- Inhalation:** Not applicable.

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

- Skin contact:** Cyanoacrylates bond skin in seconds. In the case of large spills on the skin, superficial burns may occur - treat accordingly. There may be irritation and redness at the site of contact.
- Eye contact:** Cyanoacrylates bond eyelids in seconds. There may be irritation and redness. The eyes may water profusely.
- Ingestion:** There may be soreness and redness of the mouth and throat. The product will polymerise immediately in the mouth, making it almost impossible to swallow, but beware of possible choking hazard.
- Inhalation:** * Not applicable.

[cont...]

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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: Not applicable.

Section 5: Fire-fighting measures

5.1. Extinguishing media

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

5.2. Special hazards arising from the substance or mixture

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

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. 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. (do not use cloths). Or polymerise slowly with water (~10:1, adhesive : water) and then scrape up. 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. Avoid the formation or spread of mists in the air. Ambient humidity should be >35% to minimise discomfort.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well ventilated area. Keep away from direct sunlight. Keep away from sources of ignition. Keep container tightly closed. Refrigerated storage (2 - 8°C) is recommended for optimum shelf-life.

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Suitable packaging: Must only be kept in original packaging.

7.3. Specific end use(s)

Specific end use(s): * PC1: Adhesives, sealants. Adhesive

Section 8: Exposure controls/personal protection

8.1. Control parameters

Hazardous ingredients:

HYDROQUINONE

Workplace exposure limits:

Respirable dust:

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	0.5 mg/m ³	-	-	-

DNEL/PNEC Values

DNEL / PNEC No data available.

8.2. Exposure controls

Engineering measures: * Ensure all engineering measures mentioned in section 7 of SDS are in place. Avoid contact with eyes and skin.

Respiratory protection: * Respiratory protection not required.

Hand protection: * Viton gloves. Nitrile gloves. > 0,5 mm (suitable gloves tested to EN374). Breakthrough time of the glove material > 4 hours.

Eye protection: Safety glasses with side-shields. Ensure eye bath is to hand.

Skin protection: * Protective clothing. Do not wear cellulose based clothing when handling this material. Contact with cellulose based fabrics generates heat which may cause burns.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquid

Colour: Colourless

Odour: Acrid

Evaporation rate: Negligible

Oxidising: Non-oxidising (by EC criteria)

Solubility in water: Reacts with water.

Also soluble in: Acetone.

Viscosity: Non-viscous

Kinematic viscosity: * 4.8 cSt

Viscosity test method: Rotational viscometer

Boiling point/range°C: 120.5

Melting point/range°C: Not applicable.

Flammability limits %: lower: Not applicable.

upper: Not applicable.

Flash point°C: >85

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Autoflammability°C: 330

Relative density: 1.04

VOC g/l: Not applicable.

Part.coeff. n-octanol/water: est.<1

Vapour pressure: ~0.04mmHg @25°C

pH: Not applicable.

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. Polymerises rapidly with water.

10.3. Possibility of hazardous reactions

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

10.4. Conditions to avoid

Conditions to avoid: Heat. Direct sunlight. Moist air. Humidity.

10.5. Incompatible materials

Materials to avoid: Water. Alkalis. Amines. Alcohols. Strong oxidising agents.

10.6. Hazardous decomposition products

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

Section 11: Toxicological information

11.1. Information on toxicological effects

Toxicity values:

Route	Species	Test	Value	Units
ORAL	RAT	LD50	>5000	mg/kg

Hazardous ingredients:

HYDROQUINONE

ORL	MUS	LD50	150	mg/kg
ORL	RAT	LD50	720	mg/kg

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SCU	RAT	LDLO	300	mg/kg
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Symptoms / routes of exposure

Skin contact: Cyanoacrylates bond skin in seconds. In the case of large spills on the skin, superficial burns may occur - treat accordingly. There may be irritation and redness at the site of contact.

Eye contact: Cyanoacrylates bond eyelids in seconds. There may be irritation and redness. The eyes may water profusely.

Ingestion: There may be soreness and redness of the mouth and throat. The product will polymerise immediately in the mouth, making it almost impossible to swallow, but beware of possible choking hazard.

Inhalation: * Not applicable.

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

Section 12: Ecological information

12.1. Toxicity

Ecotoxicity values: No data available.

12.2. Persistence and degradability

Persistence and degradability: No data available.

12.3. Bioaccumulative potential

Bioaccumulative potential: No bioaccumulation potential.

12.4. Mobility in soil

Mobility: Considered to be very low due to rapid polymerisation with water.

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: No data available.

Section 13: Disposal considerations

13.1. Waste treatment methods

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

Waste code number: 08 04 09

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.

Section 14: Transport information

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

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Section 15: Regulatory information

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

Specific regulations: * Not applicable.

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: EUH202: Cyanoacrylate. Danger. Bonds skin and eyes in seconds. Keep out of the reach of children.

H302: Harmful if swallowed.

H317: May cause an allergic skin reaction.

H318: Causes serious eye damage.

H341: Suspected of causing genetic defects.

H351: Suspected of causing cancer.

H400: Very toxic to aquatic life.

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.