

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

1.1. Product identifier

Product name: KRYLEX KA303 ACRYLIC ADHESIVE

Index number: 01-005-1800

Product code: KA303

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

Use of substance / mixture: Structural acrylic adhesive based on (meth)acrylates

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: Aquatic Chronic 3: H412; Repr. 1B: H360Df; Skin Corr. 1A: H314; Skin Sens. 1: H317;
STOT SE 3: H335

Most important adverse effects: Causes severe skin burns and eye damage. May cause an allergic skin reaction. May cause respiratory irritation. May damage the unborn child. Suspected of damaging fertility. Harmful to aquatic life with long lasting effects.

2.2. Label elements

Label elements:

Hazard statements: * H314: Causes severe skin burns and eye damage.

H317: May cause an allergic skin reaction.

H335: May cause respiratory irritation.

SAFETY DATA SHEET
KRYLEX KA303 ACRYLIC ADHESIVE

Page: 2

H360Df: May damage the unborn child. Suspected of damaging fertility.

H412: Harmful to aquatic life with long lasting effects.

Hazard pictograms: * GHS05: Corrosion

GHS07: Exclamation mark

GHS08: Health hazard



Signal words: Danger

Precautionary statements: * P260: Do not breathe vapours.

P271: Use only outdoors or in a well-ventilated area.

P272: Contaminated work clothing should not be allowed out of the workplace.

P273: Avoid release to the environment.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting

P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing.

Rinse skin with water .

P333+P313: If skin irritation or rash occurs: Get medical advice/attention.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P309+P311: IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.

P362+P364: Take off contaminated clothing and wash it before reuse.

2.3. Other hazards

Other hazards: Restricted to professional users.

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

Section 3: Composition/information on ingredients

3.2. Mixtures

* Hazardous ingredients:

TETRAHYDROFURFURYL METHACRYLATE - REACH registered number(s): 01-2120748481-53-...

EINECS	CAS	PBT / WEL	CLP Classification	Percent
219-529-5	2455-24-5	-	Skin Sens. 1: H317; Repr. 1B: H360Df; Aquatic Chronic 3: H412	25-50%

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SAFETY DATA SHEET
KRYLEX KA303 ACRYLIC ADHESIVE

Page: 3

2-ETHYLHEXYL METHACRYLATE - REACH registered number(s): 01-2119490166-35-...

211-708-6	688-84-6	-	Skin Sens. 1: H317; Aquatic Chronic 3: H412	10-25%
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ACRYLIC ACID - REACH registered number(s): 01-2119452449-31-...

201-177-9	79-10-7	-	Flam. Liq. 3: H226; Acute Tox. 4: H332; Acute Tox. 4: H312; Acute Tox. 4: H302; Skin Corr. 1A: H314; Aquatic Acute 1: H400	1-5%
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2-METHYLPROPENOIC ACID - REACH registered number(s): 01-2119463884-26-..

201-204-4	79-41-4	-	Acute Tox. 4: H312; Acute Tox. 4: H302; Skin Corr. 1A: H314	1-5%
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CUMENE HYDROPEROXIDE - REACH registered number(s): 01-211947596-19-...

201-254-7	80-15-9	-	Org. Perox. EF: H242; Acute Tox. 3: H331; Acute Tox. 4: H312; Acute Tox. 4: H302; STOT RE 2: H373; Skin Corr. 1B: H314; Aquatic Chronic 2: H411	0.1-1%
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TRIETHYLENEGLYCOL DIMETHACRYLATE - REACH registered number(s): 01-2119969287-21-...

203-652-6	109-16-0	-	Skin Sens. 1B: H317	0.1-1%
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1,1,2-TRICHLOROETHANE - REACH registered number(s): 01-2119458770-34-..

201-166-9	79-00-5	-	Carc. 2: H351; Acute Tox. 4: H332; Acute Tox. 4: H312; Acute Tox. 4: H302; -: EUH066	0.1-1%
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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. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Transfer to hospital if there are burns or symptoms of poisoning. If irritation persists, obtain medical attention.
- 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. Give 1 cup of water to drink every 10 minutes. Transfer to hospital as soon as possible.
- 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. Consult a doctor.

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

- Skin contact:** Blistering may occur. Progressive ulceration will occur if treatment is not immediate. An itchy rash may occur at the site of contact.
- Eye contact:** Corneal burns may occur. May cause permanent damage.
- Ingestion:** Corrosive burns may appear around the lips. Blood may be vomited. There may be bleeding from the mouth or nose.

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SAFETY DATA SHEET
KRYLEX KA303 ACRYLIC ADHESIVE

Page: 4

Inhalation: There may be shortness of breath with a burning sensation in the throat. Exposure may cause coughing or wheezing.

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.

Section 5: Fire-fighting measures

5.1. Extinguishing media

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

5.2. Special hazards arising from the substance or mixture

Exposure hazards: Corrosive. In combustion emits toxic fumes of carbon dioxide / carbon monoxide. In combustion emits toxic fumes of nitrogen oxides. In combustion emits toxic fumes of hydrogen chloride / phosgene.

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: Do not attempt to take action without suitable protective clothing - see section 8 of SDS. Evacuate the area immediately. Mark out the contaminated area with signs and prevent access to unauthorised personnel. If outside keep bystanders upwind and away from danger point. 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. Inform authorities in case of contamination of water or sewage system.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Clean-up should be dealt with only by qualified personnel familiar with the specific substance. 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

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SAFETY DATA SHEET
KRYLEX KA303 ACRYLIC ADHESIVE

Page: 5

7.1. Precautions for safe handling

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.

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. The floor of the storage room must be impermeable to prevent the escape of liquids.

Suitable packaging: Polyethylene. Do not use aluminium containers. Do not use steel containers.

7.3. Specific end use(s)

Specific end use(s): No data available.

Section 8: Exposure controls/personal protection

8.1. Control parameters

Hazardous ingredients:

ACRYLIC ACID

Workplace exposure limits:

Respirable dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	30 mg/m ³	60 mg/m ³	-	-

2-METHYLPROPENOIC ACID

UK	72 mg/m ³	143 mg/m ³	-	-
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1,1,2-TRICHLOROETHANE

UK	10 ppm	20 ppm	-	-
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DNEL/PNEC Values

Hazardous ingredients:

TETRAHYDROFURFURYL METHACRYLATE

Type	Exposure	Value	Population	Effect
DNEL	Inhalation (developmental tox)	3.53	Workers	-
DNEL	Dermal (developmental tox)	1	Workers	-

2-ETHYLHEXYL METHACRYLATE

Type	Exposure	Value	Population	Effect
DNEL	Dermal	5 mg/kg/d	Workers	-

8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area. Ensure all engineering measures mentioned in section 7 of SDS are in place.

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SAFETY DATA SHEET
KRYLEX KA303 ACRYLIC ADHESIVE

Page: 6

Respiratory protection: Gas/vapour filter, type A: organic vapours (EN141). Self-contained breathing apparatus must be available in case of emergency.

Hand protection: Nitrile gloves. Neoprene gloves. Do not use PVC gloves, as they absorb (meth)acrylates.

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

Skin protection: Impermeable protective clothing.

Environmental: The floor of the storage room must be impermeable to prevent the escape of liquids.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquid

Colour: Pale gold

Odour: Slightly sharp, lingering methacrylate

Evaporation rate: Negligible

Oxidising: Non-oxidising (by EC criteria)

Solubility in water: Slightly soluble

Also soluble in: Acetone.

Viscosity: Viscous

Kinematic viscosity: ~22,000cPs

Viscosity test method: Rotational viscometer

Boiling point/range°C: No data available.

Melting point/range°C: No data available.

Flammability limits %: lower: No data available.

upper: No data available.

Flash point°C: >100

Part.coeff. n-octanol/water: <3

Autoflammability°C: No data available.

Vapour pressure: ~0.5mmHg @20oC

Relative density: ~1.1

pH: ~3-5

VOC g/l: No data available.

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.

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SAFETY DATA SHEET
KRYLEX KA303 ACRYLIC ADHESIVE

Page: 7

10.4. Conditions to avoid

Conditions to avoid: Heat. Direct sunlight. Sources of ignition.

10.5. Incompatible materials

Materials to avoid: Strong oxidising agents. Strong acids. Strong bases. Free-radical initiators. Copper.

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. In combustion emits toxic fumes of hydrogen chloride / phosgene.

Section 11: Toxicological information

11.1. Information on toxicological effects

Hazardous ingredients:

2-ETHYLHEXYL METHACRYLATE

ORL	RAT	LD50	>2000	mg/kg
SKN	GPG	LD50	>5000	mg/kg

ACRYLIC ACID

IPR	RAT	LD50	22	mg/kg
ORL	MUS	LD50	830	mg/kg
ORL	RAT	LD50	1250	mg/kg
SCU	MUS	LD50	1590	mg/kg

2-METHYLPROPENOIC ACID

ORL	MUS	LD50	1250	mg/kg
ORL	RAT	LD50	1600	mg/kg

CUMENE HYDROPEROXIDE

ORL	MUS	LDLO	5	gm/kg
ORL	RAT	LD50	382	mg/kg
SCU	RAT	LD50	382	mg/kg
VAPOURS	RAT	4H LC50	220	ppmV

1,1,2-TRICHLOROETHANE

ORL	MUS	LD50	378	mg/kg
ORL	RAT	LD50	836	mg/kg

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SAFETY DATA SHEET
KRYLEX KA303 ACRYLIC ADHESIVE

Page: 8

SCU	MUS	LD50	227	mg/kg
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Relevant hazards for product:

Hazard	Route	Basis
Skin corrosion/irritation	DRM	Hazardous: calculated
Serious eye damage/irritation	OPT	Hazardous: calculated
Respiratory/skin sensitisation	DRM	Hazardous: calculated
Reproductive toxicity	--	Hazardous: calculated
STOT-single exposure	INH	Hazardous: calculated

Symptoms / routes of exposure

Skin contact: Blistering may occur. Progressive ulceration will occur if treatment is not immediate. An itchy rash may occur at the site of contact.

Eye contact: Corneal burns may occur. May cause permanent damage.

Ingestion: Corrosive burns may appear around the lips. Blood may be vomited. There may be bleeding from the mouth or nose.

Inhalation: There may be shortness of breath with a burning sensation in the throat. Exposure may cause coughing or wheezing.

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

Section 12: Ecological information

12.1. Toxicity

Hazardous ingredients:

TETRAHYDROFURFURYL METHACRYLATE

Pimephales promelas	96H LC50 (flow-throu	34.7	mg/l
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2-ETHYLHEXYL METHACRYLATE

Daphnia magna	48H EC50	4.56	mg/l
FISH	96H LC50	2.78	mg/l
GREEN ALGA (Selenastrum capricornutum)	72H EC50	7.68	mg/l

CUMENE HYDROPEROXIDE

FISH	96H LC50	3.9	mg/l
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TRIETHYLENEGLYCOL DIMETHACRYLATE

ALGAE	48H EC50	>100	mg/l
FISH	96H LC50	16.4	mg/l

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SAFETY DATA SHEET
KRYLEX KA303 ACRYLIC ADHESIVE

Page: 9

12.2. Persistence and degradability

Persistence and degradability: Biodegradable in part only.

12.3. Bioaccumulative potential

Bioaccumulative potential: * No data available.

12.4. Mobility in soil

Mobility: Non-volatile. Slightly soluble in water. Readily absorbed into soil. Heavier than 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: Harmful to aquatic organisms.

Section 13: Disposal considerations

13.1. Waste treatment methods

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

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

Section 14: Transport information

14.1. UN number

UN number: UN3265

14.2. UN proper shipping name

Shipping name: CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.
(Contains Acrylic Acid and 2-Methylpropenoic Acid)

14.3. Transport hazard class(es)

Transport class: 8

14.4. Packing group

Packing group: III

14.5. Environmental hazards

Environmentally hazardous: No

Marine pollutant: No

14.6. Special precautions for user

Special precautions: No special precautions.

Tunnel code: E

Transport category: 3

[cont...]

SAFETY DATA SHEET
KRYLEX KA303 ACRYLIC ADHESIVE

Page: 10

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

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

Phrases used in s.2 and s.3: EUH066: Repeated exposure may cause skin dryness or cracking.

H226: Flammable liquid and vapour.

H242: Heating may cause a fire.

H302: Harmful if swallowed.

H312: Harmful in contact with skin.

H314: Causes severe skin burns and eye damage.

H317: May cause an allergic skin reaction.

H331: Toxic if inhaled.

H332: Harmful if inhaled.

H335: May cause respiratory irritation.

H351: Suspected of causing cancer ({{{0||message=<state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>||filter=(_)?EXP_ROUTE_.+}}}).

H360Df: May damage the unborn child. Suspected of damaging fertility.

H373: May cause damage to organs ({{{0||message=<or state all organs affected, if known>||filter=(_)?ORGAN_.+}}}) through prolonged or repeated exposure ({{{1||message=<state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>||filter=(_)?EXP_ROUTE_.+}}}).

H400: Very toxic to aquatic life.

H411: Toxic to aquatic life with long lasting effects.

H412: Harmful to aquatic life with long lasting effects.

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.