

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

1.1. Product identifier

Cyanoacrylate Adhesive

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

Cyanoacrylate adhesive

1.3. Details of the supplier of the safety data sheet

Premier Farnell
150 Armley Road
Leeds LS12 2QQ
Tel. : +44 (0) 870 129 8608

1.4. Emergency telephone number

+44 (0) 870 202530

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP : * STOT SE 3: H335; Eye Irrit. 2: H319; Skin Irrit. 2: H315; -: EUH202
Most important adverse effects : Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation. Cyanoacrylate. Danger. Bonds skin and eyes in seconds. Keep out of the reach of children.

2.2. Label elements

Label elements:

Hazard statements : *H315: Causes skin irritation.
H319: Causes serious eye irritation.
H335: May cause respiratory irritation.
EUH202: Cyanoacrylate. Danger. Bonds skin and eyes in seconds. Keep out of the reach of children.

Signal words : *Warning
Hazard pictogram(s) : GHS07: Exclamation mark



Precautionary statements : * P261: Avoid breathing vapours.
P271: Use only outdoors or in a well-ventilated area.
P280: Wear protective gloves.
P302+352: IF ON SKIN: Wash with plenty of soap and water.
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+313: If eye irritation persists: Get medical attention.

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:

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ETHYL-2-CYANOACRYLATE - REACH registered number(s): 01-2119527766-29-...

EINECS	CAS	PBT / WEL	CLP Classification	Percent
230-391-5	7085-85-0	-	Eye Irrit. 2: H319; STOT SE 3: H335; Skin Irrit. 2: H315	>80%

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. 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).
- Ingestion : Ensure breathing passages are not obstructed. Saliva will separate the solidified product from the mouth over a period of hours. Consult a doctor.
- Inhalation : Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

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

- Skin contact : There may be irritation and redness at the site of contact. In the case of large spills on the skin, superficial burns may occur - treat accordingly.
- 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 : There may be irritation of the throat with a feeling of tightness in 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.

Section 5: Fire-fighting measures

5.1. Extinguishing media

- Extinguishing media : Alcohol resistant foam. Dry chemical powder. Carbon dioxide. Do not use water.

5.2. Special hazards arising from the substance or mixture

- Exposure hazards : In combustion emits toxic fumes. 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. Evacuate the area immediately. If outside keep bystanders upwind and away from danger point. 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). Transfer to a closable, labelled salvage container for disposal by an appropriate method. Or polymerise slowly with water (~10:1, adhesive : water) and then scrape up.

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. Do not handle in a confined space. Avoid the formation or spread of mists in the air. Wear polythene, polypropylene or viton gloves. Latex (natural rubber), nylon or PVC gloves only provide protection for a few seconds. 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 container tightly closed. Keep away from sources of ignition. Refrigerated storage (2 - 8°C) is recommended for optimum shelf-life.

Suitable packaging : Must only be kept in original packaging.

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:

ETHYL-2-CYANOACRYLATE

Workplace exposure limits : Respirable dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	-	1.5 mg/m3	-	-

DNEL/PNEC Values

DNEL / PNEC : No data available.

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.

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

Hand protection	: Nitrile gloves. Viton gloves.
Eye protection	: Safety glasses with side-shields. 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	: Acrid
Evaporation rate	: Negligible
Oxidising	: Non-oxidising (by EC criteria)
Solubility in water	: Reacts with water
Also soluble in	: Acetone.
Viscosity	: Viscous
Kinematic viscosity	: 100cPs
Viscosity test method	: Rotational viscometer
Boiling point/range°C	: >150
Part.coeff. n-octanol/water	: n/a
Relative density	: ~1.07
Flash point°C	: >85
Vapour pressure	: ~0.04mmHg @25°C
pH	: ~6-7

9.2. Other information

Other information	: No data available.
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Section 10: Stability and reactivity

10.1. Reactivity

Reactivity	: Stable under recommended transport or storage conditions.
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10.2. Chemical stability

Chemical stability	: Stable under normal conditions. Polymerises rapidly with water.
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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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10.4. Conditions to avoid

Conditions to avoid	: Heat. Direct sunlight. Sources of ignition. Moist air. Humidity.
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10.5. Incompatible materials

Materials to avoid	: Strong oxidising agents. Water. Bases. Alcohols. Amines.
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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.
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Section 11: Toxicological information

11.1. Information on toxicological effects

Hazardous ingredients:	
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ETHYL-2-CYANOACRYLATE

ORL	RAT	LD50	>5	mg/kg
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Relevant effects for mixture:

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

Symptoms / routes of exposure

Skin contact	: There may be irritation and redness at the site of contact. In the case of large spills on the skin, superficial burns may occur - treat accordingly.
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	: There may be irritation of the throat with a feeling of tightness in the chest.
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 : Only slightly biodegradable.

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 : Negligible ecotoxicity.

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations : Dispose of as Special Waste in accordance with local and national legislation. Or polymerise slowly with water (10:1, adhesive : water). Hardened product can be disposed of in land-fill sites by licensed contractors.

Waste code number : 08 04 09

Disposal of packaging : Dispose of as normal industrial waste.

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 : UN3334

14.2. UN proper shipping name

Shipping name : AVIATION REGULATED LIQUID, N.O.S.
(Cyanoacrylate)

14.3. Transport hazard class(es)

Transport class : 9

14.4. Packing group

: NA

14.5. Environmental hazards

Environmentally hazardous : No

Marine pollutant : No

14.6. Special precautions for user

Special precautions : No special precautions.

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 : This safety data sheet is prepared in accordance with Commission Regulation(EU) No 453/2010.

*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.
H315: Causes skin irritation.
H319: Causes serious eye irritation.
H335: May cause respiratory irritation.

Part Number
MC001789

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