

SAFETY DATA SHEET

1. IDENTIFICATION OF THE PRODUCT

NAME OF THE PRODUCT Cyanoacrylate universal quick fix adhesive, 20 g
CODE 080202

2. IDENTIFICATION OF THE SUBSTANCE

2.1. SUBSTANCE/MIXTURE CLASSIFICATION

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:

UFI: A600-WOPN-800Y-4MN0

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.

Label words:

Warning

Hazard pictograms:

GHS07: Exclamation mark



Signal words: Warning

Precautionary statements:

* P261: Avoid breathing vapours.

P280: Wear eye protection, protective gloves.

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

P302+P352: IF ON SKIN: Wash with plenty of soap and water.

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+313: If eye irritation persists: Get medical advice/attention.

2.3 OTHER DANGERS:

3.-COMPOSITION/INFORMATION ON INGREDIENTS

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

ETHYL-2-CYANOACRYLATE

EINECS	CAS	CHIP Classification	CLP Classification	%
230-391-5	7085-85-0	Xi: R36/37/38	Eye Irrit. 2: H319; STOT SE 3: H335; Skin Irrit. 2: H315	>80%

HYDROQUINONE

EINECS	CAS	CHIP Classification	CLP Classification	%
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%

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: Move to fresh air in case of accidental inhalation of vapours. Remove casualty from exposure ensuring one's own safety whilst doing so. If symptoms persist, Consult a doctor.

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: There may be irritation of the throat with a feeling of tightness in the chest. 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.

5. FIREFIGHTING 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: * 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.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Evacuate the area immediately. Refer to section 8 of SDS for personal protection details. Mark out the contaminated area with signs and prevent access to unauthorized 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 bonding.

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.

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. 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): Adhesive.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

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

Hazardous ingredients:

ETHYL-2-CYANOACRYLATE

Workplace exposure limits:

State	8-hour TWA	15 min. STEL	8-hour TWA	15 min. STEL
UK	-	1.5 mg/m ³	-	-

HYDROQUINONE

UK	0.5 mg/m ³	-	-	-
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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: If WEL is likely to be exceeded, respiratory protective equipment will be needed. Gas/vapour filter, type A: organic vapours (EN141). Self-contained breathing apparatus must be available in case of emergency

Hand protection: * Nitrile gloves. Viton 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

9. 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:	Highly viscous
Kinematic viscosity:	* ~96 cSt
Viscosity test method:	Rotational viscometer
Boiling point/range°C:	>150
Flash point°C: >	85
Part.coeff. n-octanol/water:	est.<1
Vapour pressure:	~0.04mmHg @25°C
Relative density:	1.04
Other information:	No data available

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. In combustion emits toxic fumes of carbon dioxide / carbon monoxide. In combustion emits toxic fumes of nitrogen oxides.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:

Hazardous ingredients:

ETHYL-2-CYANOACRYLATE

ORL	RAT	LD50	> 5	ml/kg
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HYDROQUINONE

ORL	MUS	LD50	150	mg/kg
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ORL	RAT	LD50	720	mg/kg
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SCU	RAT	LDLO	300	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: 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: There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

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

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 substance.

12.6. OTHER ADVERSE EFFECTS

Other adverse effects: Negligible ecotoxicity.

13. DISPOSAL CONSIDERATIONS

13.1. WASTE TREATMENT METHODS

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

14. TRANSPORT INFORMATION

14.1. UN NUMBER:

UN3334

14.2. UN PROPER SHIPPING NAME

Shipping name: AVIATION REGULATED LIQUID, N.O.S. (ETHYL-2-CYANOACRYLATE)

14.3. TRANSPORT HAZARD CLASS(ES)

Transport class: 9

14.4. PACKING GROUP

Packing group: III

14.5. ENVIRONMENTAL HAZARDS

Environmentally hazardous: No

Marine pollutant: No

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.

16. 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.

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H318: Causes serious eye damage.

H319: Causes serious eye irritation.

H335: May cause respiratory irritation.

H341: Suspected of causing genetic defects.

H351: Suspected of causing cancer.

H400: Very toxic to aquatic life.

The information contained in this security data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products.