

SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND THE COMPANY

NAME OF THE PRODUCT	Universal fast fix gel adhesive high viscosity, 20 g
CODE	080201
DISTRIBUTOR	BOSSAUTO INNOVA, S.A.
ADDRESS	c/ Thomas Edison 16, Apartado de correos 95
CITY	08430 La Roca del Vallés (Barcelona)
TEL	+ 34 93 860 49 23
FAX	+34 93 871 23 36
E-MAIL	info@bossauto.com
WEB	www.bossauto.com

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

A. Classification according to Directive n°1272/2008 (CLP)

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.

2.2. Label elements

A. CLP Regulation (EC) n°1272/2008

H315 Causes skin irritation.

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

- **Signal words**

Warning

- **Pictograms**



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 ON 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

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

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

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3.2. Mixtures

· Ingredients

Ethyl-2-Cyanoacrylate

EINECS: 230-391-5

CAS: 7085-85-0

CHIP Classification: Xi: R36/37/38

CLP Classification : Eye Irrit. 2 : H319 ; STOT SE 3 : H335 ; Skin Irrit. 2 : H315

% : >80%

4. FIRST AID MEASURES

4.1. Description of first aid measures

A. 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.

B. Eye contact

Bathe the eye with running water for 15 minutes. If the eyelid is bonded closed, do not force to 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).

C. 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.

D. Inhalation

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

A. 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.

B. Eye contact

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

C. 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.

D. Inhalation

There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

E. 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. In combustion emits toxic fumes.

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

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

Do not discharge into drains or rivers. Control the spill by taking contention measures.

6.3. Containment and cleaning methods and materials

Absorb into dry earth or sand. (Do not use cloths). Transfer to a closable, labelled salvage container for disposal by an appropriate method. Or polymerize slowly with water (~10:1, adhesive: water) and then scrape up.

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. Ambient humidity should be >35% to minimize discomfort.

7.2. Conditions for safe storage, including any incompatibilities

A. Storage conditions

Store in 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.

B. 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

A. 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

8.2. DNEL/PNEC values

No data available.

8.3. Exposure controls

A. Engineering measures

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

B. Respiratory protection

If WEL is likely to be exceeded, respiratory protective equipment will be needed. Gas/vapour filter, type A: organic vapours (EN141).

C. Hand protection

Nitrile gloves. Viton gloves.

E. Eye protection

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

F. Skin protection
 Protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

State	Liquid
Colour	Colourless
Odour	Acrid
Evaporation rate	Negligible
Oxidizing	Non-oxidizing (by EC criteria)
Solubility in water	Reacts with water.
Also soluble in	Acetone
Viscosity	Viscous
Kinematic viscosity	1100 cPs
Viscosity test method	Rotational viscometer
Boiling point/range °C	>150
Flash point °C	>85
Part.coeff. n-octanol/water	n/a
Vapour pressure	~0.04mmHg @25 °C
Relative density	~1.06

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. Polymerized rapidly with water.

10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous reaction will not occur under normal transport or storage conditions.

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 oxidizing agents.

10.6. Hazardous decomposition products

Hazardous decomposition 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

A. Hazardous ingredients

Ethyl-2-cyanoacrylate			
Oral	Rat	LD50	>5 ml/kg

B. Relevant effects for mixture

Effect: Irritation

Route: OPT, INH, DRM

Base: Dangerous: Calculated

C. 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

A. Disposal operations

Transfer to a suitable container and arrange for collection by specialized disposal company. Or polymerize 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

B. 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

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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

This safety data sheet is prepared in accordance with Commission Regulation (EU) 453/2010.

Phrases used in s.2 and 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.

R36/37/38: Irritating to eyes, respiratory system and skin.

According to Regulation (EC) No. 1907/2006 and Regulation (EC) No 453/2010

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. We cannot accept any liability arising from use of the information contained in this data sheet or the use, application or processing of the product described in this data sheet. Users should consider the possibility of damage occurring due to misuse of the product.