

Safety Data Sheet

according to Regulation (EU) No. 1907/2006

Fastener Rapid

Print date : 22.06.2009

Product Code : 8021

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1. Identification of the substance/preparation and of the company/undertaking

Identification of the substance or preparation Fastener Rapid**Use of the substance/preparation**

Cyanoacrylate adhesive
Restricted to professional users.

Company/undertaking identification

Company name : Wilde Cosmetics GmbH
Street : Rheingastr. 19a
Place : D-65375 Oestrich-Winkel
Post-office box : 1220
D-65368 Oestrich-Winkel

Telephone : +49-6723-6020-0
Contact person : Dr. Beate Kerntopf
e-mail : beate.kerntopf@wilde-group.com
Emergency telephone : +49-6723-6020-0

Telefax : +49-6723-6020-15
Telephone : -752

2. Hazards identification

Classification**Explication of special hazards for human health and environment.**

Irritating to eyes, respiratory system and skin. Bonds skin and eyes in seconds. Highly reactive to water. (See Section 4 on first aid.)
R36/37/38 Irritating to eyes, respiratory system and skin.

3. Composition/information on ingredients

Chemical characterization (preparation)

Chemical Name / INCI:
Ethyl Cyanoacrylate
Polymethyl Methacrylate

Hazardous components

EINECS-No.	CAS-No.	Chemical name	Quantity	Classification
230-391-5	7085-85-0	Ethyl 2-cyanoacrylate	> 80 - <= 100 %	Xi - Irritant; R36/37/38

Full text of each relevant R phrase can be found in section 16.

Further Information

Is/are applicable: Directive 1999/45/EC.

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4. First aid measures

After inhalation

Move to fresh air. Consult a physician.

After contact with skin

Do not pull bonded skin apart. It may be gently peeled apart using a blunt object such as a spoon, preferably after soaking in warm soapy water.

Cyanoacrylates give off heat on solidification. In rare cases a large drop will generate enough heat to cause a burn.

Burns should be treated normally after the adhesive has been removed from the skin.

If lips are accidentally stuck together apply warm water to the lips and encourage maximum wetting and pressure from saliva inside the mouth.

Peel or roll lips apart. Do not try to pull the lips apart with direct opposing action.

After contact with eyes

If the eye is bonded closed, release eyelashes with warm water by covering with wet pad.

Cyanoacrylate will bond to eye protein and will cause periods of weeping which will help to debond the adhesive.

Keep eye covered until debonding is complete, usually within 1-3 days.

Do not force eye open. Medical advice should be sought in case solid particles of cyanoacrylate trapped behind the eyelid cause any abrasive damage.

After ingestion

Ensure that breathing passages are not obstructed. The product will polymerise immediately in the mouth making it almost

impossible to swallow. Saliva will slowly separate the solidified product from the mouth (several hours).

5. Fire-fighting measures

Suitable extinguishing media

foam, extinguishing powder, carbon dioxide fine water spray

Extinguishing media which must not be used for safety reasons

no data available.

Conditions to avoid: High volume water jet

Special exposure hazards arising from substance or preparation itself, combustion products, resulting gases

Oxides of carbon, oxides of nitrogen, irritating organic vapors.

Special protective equipment for fire-fighters

In the event of fire, wear self-contained breathing apparatus.

Protective suit.

Additional information

Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

6. Accidental release measures

Personal precautions

Ensure adequate ventilation.

Environmental precautions

Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Do not flush into surface water or sanitary sewer system.

Should not be released into the environment.

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Methods for cleaning up/taking up

Do not use cloths for mopping up. Flood with water to complete polymerization and scrape off the floor. Cured material can be disposed of as non-hazardous waste.

7. Handling and storage

Handling

Ventilation (low level) is recommended when using large volumes
Use of dispensing equipment is recommended to minimise the risk of skin or eye contact

Storage

Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place at 2-8°C (35,6-46,4°F).

8. Exposure controls/personal protection

Hazardous components CAS No.	ACGIH TLV	Austria	Belgium	Czech
Ethyl cyanoacrylate 7085-85-0	0.2 ppm TWA	2 ppm MAK 9 mg/m ³ MAK		

Hazardous components CAS No.	Estonia	Greece	Finland	France	Hungary
Ethyl cyanoacrylate 7085-85-0	10 mg/m ³ TWA 2 ppm TWA 20 mg/m ³ STEL 4 ppm STEL				

Hazardous components CAS No.	Germany	Ireland	Netherlands	Norway	Portugal
Ethyl cyanoacrylate 7085-85-0		0.2 ppm TWA			0.2 ppm TWA

Hazardous components CAS No.	Poland	Spain	Sweden	UK EH40
Ethyl cyanoacrylate 7085-85-0			10 mg/m ³ LLV 2 ppm LLV 20 mg/m ³ STV 4 ppm STV	0.3 ppm STEL 1.5 mg/m ³ STEL

Additional advice on control parameters

No data is available on the product itself.

Exposure controls

Occupational exposure controls

Handle in accordance with good industrial hygiene and safety practice. To avoid risks to man and the environment, comply with the instructions for use.

Protective and hygiene measures

Ensure adequate ventilation, especially in confined areas.

Respiratory protection

Ensure adequate ventilation.

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Hand protection

The use of chemical resistant gloves such as Nitrile are recommended
Polyethylene or polypropylene gloves are recommended when using large volumes
Do not use PVC, rubber or nylon gloves
Please note that in practice the working life of chemical resistant gloves may be considerably reduced as a result of many influencing factors (e.g. temperature). Suitable risk assessment should be carried out by the end user. If signs of wear and tear are noticed then the gloves should be replaced.

Eye protection

Safety glasses with side-shields

9. Physical and chemical properties

General information

Physical state :	liquid
Colour :	colourless
Odour :	irritating

Phys./chem. Properties

pH-value	not applicable
Boiling point	> 149 °C (> 300.2 °F)
Flash point	80 - 93,4 °C (176 - 200.1 °F)
Vapor pressure	0,27 mbar
Density	1,0500 g/cm ³

Important health, safety and environmental information

Changes in the physical state

Solubility (qualitative) (Solvent: Acetone)	miscible
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Solubility (qualitative) (Solvent: Water)	Polymerises in presence of water
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VOC content	< 3,00 % (As defined in the Council Directive 2004/42/EC)
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10. Stability and reactivity

Conditions to avoid

Extremes of temperature and direct sunlight. Exposure to light.. Heat, flames and sparks.
Polymerization can occur.
Do not smoke.

Materials to avoid

See chapter 7.
Peroxides, Oxidizing agents. Polymerization can occur.

Hazardous decomposition products

Rapid exothermic polymerization will occur in the presence of water, amines, alkalis and alcohols.

In the event of fire the following can be released: Carbon oxides, nitrogen oxides (NO_x), fumes.
Oxidizing and spontaneously flammable products.

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11. Toxicological information

Oral toxicity:

Cyanoacrylates are considered to have relatively low toxicity. Acute oral LD50 is >5000mg/kg (rat). It is almost impossible to swallow as it rapidly polymerises in the mouth.

Inhalative toxicity:

Irritating to respiratory system

Prolonged exposure to high concentrations of vapours may lead to chronic effects in sensitive individuals

In dry atmosphere with < 50% humidity, vapours may irritate the eyes and respiratory system

Skin irritation:

Irritating to the skin

Bonds skin in seconds. Considered to be of low toxicity: acute dermal LD50 (rabbit)>2000mg/kg

Due to polymerisation at the skin surface allergic reaction is unlikely to occur

Eye irritation:

Irritating to eyes.

Liquid product will bond eyelids. In a dry atmosphere (RH<50%) vapours may cause irritation and lachrymatory effect

12. Ecological information

Mobility:

Cured adhesives are immobile.

General ecological information:

Biological and Chemical Oxygen Demands (BOD and COD) are insignificant.

Do not empty into drains / surface water / ground water.

13. Disposal considerations

Product disposal:

Cured adhesive: Dispose of as water insoluble non-toxic solid chemical in authorised landfill or incinerate under controlled conditions.

Dispose of in accordance with local and national regulations.

Contribution of this product to waste is very insignificant in comparison to article in which it is used

Waste code(EWC):

08 04 09 waste adhesives and sealants containing organic solvents and other dangerous substances

Disposal of uncleaned packages:

After use, tubes, cartons and bottles containing residual product should be disposed of as chemically contaminated waste in

an authorised legal land fill site or incinerated.

Disposal must be made according to official regulations

14. Transport information

Road transport ADR:

Not dangerous goods

Railroad transport RID:

Not dangerous goods

Inland water transport ADN:

Not dangerous goods

Marine transport IMDG:

Not dangerous goods

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Air transport IATA:

Class:	9
Packaging group:	
Packaging instructions (passenger)	906
Packaging instructions (cargo)	906
UN no.:	3334
Label:	9
Proper shipping name:	Aviation regulated liquid n.o.s. (Cyanoacrylate ester)

15.Regulatory information

Indication of danger:

Xi – Irritant

**Risk phrases:**

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

Safety phrases:

S23 Do not breathe vapour.

S24/25 Avoid contact with skin and eyes.

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Additional labeling:

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

16.Other information

Full text of R-phrases referred to under sections 2 and 3

The labelling of the product is indicated in Section 15. The full text of the R-phrases indicated by codes in this safety data sheet are as follows:

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

Further Information

All data refer to the product upon delivery.

This safety data sheet was prepared in accordance with Council Directive 67/548/EEC and its subsequent amendments, and Commission Directive 1999/45/EC.

ICAO-Labels: Exempt

The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights.

The receiver of our product is singularly responsible for adhering to existing laws and regulations.

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The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.
In case of emergency call CHEMTREC 1-800-424-9300.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)