



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

1.1 Product identifier

Trade name: Bondex

This safety data sheet pertains to the following products:

920010: Bondex U20 20 g

925010: Bondex U25 10 g

925020: Bondex U25 20 g

926020: Bondex U26 20 g

UFI: PNK0-60SK-D00A-DHY8

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

General use: Adhesive

1.3 Details of the supplier of the safety data sheet

Company name: EUROTECH Maier Ernst GmbH

Street/POB-No.: Herrschaftswiesen 5

Postal Code, city: AT-6842 Koblach

WWW: www.eurotech.at

E-mail: office@eurotech.at

Telephone: +43 (0)5523 53852

Telefax: +43 (0)5523 53852 4

Department responsible for information:

Telephone: +43 (0)5523 53852, Email: office@eurotech.at

1.4 Emergency telephone number

GIZ-Nord, Göttingen

Telephone: +49 551-19240

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to EC regulation 1272/2008 (CLP)

Skin Irrit. 2; H315 Causes skin irritation.

Eye Irrit. 2; H319 Causes serious eye irritation.

STOT SE 3; H335 May cause respiratory irritation.

2.2 Label elements

Labelling (CLP)



Signal word:

Warning

Hazard statements:

H315

Causes skin irritation.

H319

Causes serious eye irritation.

H335

May cause respiratory irritation.



SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006 (REACH) and Regulation (EU) No 2020/878

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Precautionary statements:

- P261 Avoid breathing vapours.
- P271 Use only outdoors or in a well-ventilated area.
- P280 Wear protective gloves/protective clothing/eye protection.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P312 Call a POISON CENTER/doctor if you feel unwell.
- P403+P233 Store in a well-ventilated place. Keep container tightly closed.

Special labelling

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

Text for labelling: Contains Ethyl 2-cyanoacrylate

2.3 Other hazards

No risks worthy of mention.

Endocrine disrupting properties, Results of PBT and vPvB assessment:

No data available

SECTION 3: Composition/information on ingredients

3.1 Substances: not applicable

3.2 Mixtures

Chemical characterisation: Adhesive based on: Ethyl 2-cyanoacrylate

Hazardous ingredients:

Identifiers	Designation Classification	Content
EC No. 230-391-5 CAS 7085-85-0	Ethyl 2-cyanoacrylate Skin Irrit. 2; H315. Eye Irrit. 2; H319. STOT SE 3; H335. Specific concentration limits (SCL): STOT SE 3; H335: C ≥ 10 %	≥ 70 %

Full text of H- and EUH-statements: see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information: Cyanacrylate - Danger - skin and eyelids will stick together in seconds.
First aider: Pay attention to self-protection!

In case of inhalation: Provide fresh air. In case of respiratory difficulties seek medical attention.

Following skin contact: Immediately clean with water and soap or cleanse with acetone followed by thorough rinsing.
Remove all contaminated clothes and footwear immediately unless stuck to skin.
In case of skin contact, rinse with warm water. In case of skin irritation, consult a physician.

After eye contact: Keep eye wide open. Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart.
Do not attempt to pull apart bonded eyelid.
Remove contact lenses, if present and easy to do. Continue rinsing.
Afterwards, consult an ophthalmologist immediately.

After swallowing: If swallowed, rinse mouth with water (only if the person is conscious). Do not induce vomiting.
Immediately get medical attention.
Saliva will cause a polymerization reaction in the mouth.
If product comes into contact with lips, hold mouth open. Do not allow lips to contact one another.
If lips are bonded together, use warm water to gently separate the lips apart.

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

May cause respiratory irritation. Causes skin irritation.

Causes serious eye irritation.

In case of prolonged exposure: May cause sensitization by skin contact.

Effects resulting from repeated or prolonged exposure: cough, shortage of breath, headache, nausea, vomiting, Eye Dam.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1 Extinguishing media**

Suitable extinguishing media: Water spray jet, foam, extinguishing powder, carbon dioxide.

Extinguishing media which must not be used for safety reasons:

Full water jet

5.2 Special hazards arising from the substance or mixture

In case of fire, cyanides, nitrogen oxides (NOx) and CO2 may be released.

5.3 Advice for firefighters

Special protective equipment for firefighters:

Wear a self-contained breathing apparatus and chemical protective clothing.

Additional information:

Use fine water spray to cool endangered containers.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

Cyanacrylate - Danger - skin and eyelids will stick together in seconds.

Provide adequate ventilation. Avoid contact with skin, eyes, and clothing. Do not breathe vapour.

Wear appropriate protective equipment. Keep unprotected people away.

6.2 Environmental precautions

Do not allow to enter soil, sewage, water bodies, lower level rooms or pits.

6.3 Methods and material for containment and cleaning up

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

6.4 Reference to other sections

Refer additionally to section 8 and 13.

SECTION 7: Handling and storage**7.1 Precautions for safe handling**

Advices on safe handling:

Provide good ventilation and/or an exhaust system in the work area.

Avoid contact with skin, eyes, and clothing. Do not breathe vapours.

Wear appropriate protective equipment.

Precautions against fire and explosion:

Keep away from sources of ignition - No smoking.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers:

Keep container tightly closed in a cool place. Keep container dry. Keep only in the original container.

Hints on joint storage:

Do not store together with alkalis.



7.3 Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values:

CAS No.	Designation	Type	Limit value
7085-85-0	Ethyl 2-cyanoacrylate	Ireland: 15 minutes Ireland: 8 hours	1 ppm 0.2 ppm

8.2 Exposure controls

Provide good ventilation in the work area. Where the atmosphere is very dry, the atmospheric moisture level must be raised to at least 50-60% relative humidity.

Personal protection equipment

Occupational exposure controls

Respiratory protection:	Respiratory protection must be worn whenever the WEL levels have been exceeded. Use filter type AXBEK according to EN 14387.
Hand protection:	Protective gloves according to EN 374. Glove material: polyethylene Unsuitable materials: Rubber, PVC. Observe glove manufacturer's instructions concerning penetrability and breakthrough time.
Eye protection:	Tightly sealed goggles according to EN 166.
Body protection:	Wear suitable protective clothing.
General protection and hygiene measures:	Cyanacrylate - Danger - skin and eyelids will stick together in seconds. Keep out of the reach of children. Change contaminated clothing. Avoid contact with the substance. Eye wash facility must be provided. Wash hands before breaks and after work. When using do not eat, drink or smoke.

Environmental exposure controls

Refer to "6.2 Environmental precautions".

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state at 20 °C and 101.3 kPa	Form: liquid, oily
Colour:	colourless
Odour:	characteristic
Odour threshold:	No data available
Melting point/freezing point:	No data available
Initial boiling point and boiling range:	> 200 °C
Flammability:	No data available
Upper/lower flammability or explosive limits:	No data available
Flash point/flash point range:	87 °C (ISO 2592)
Decomposition temperature:	No data available
pH:	No data available
Viscosity, dynamic:	at 20 °C: 30 - 500 mPa*s

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Water solubility:	immiscible
Partition coefficient: n-octanol/water:	No data available
Vapour pressure:	at 20 °C: <= 0.5 hPa (DIN 51616)
Density:	at 20 °C: 1.07 g/mL (DIN 51757)
Vapour density:	No data available
Particle characteristics:	Not applicable

9.2 Other information

Explosive properties:	Product is not explosive.
Oxidizing characteristics:	No data available
Auto-ignition temperature:	not self-igniting
Evaporation rate:	No data available
Additional information:	No data available

SECTION 10: Stability and reactivity**10.1 Reactivity**

refer to 10.3

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

After contact with water: Polymerization along with heat production.
Heat will be generated if water is added. Reacts violently with water.
Violent reaction with strong alkalis, oxidizing materials and amines.

10.4 Conditions to avoid

Keep away from heat.

10.5 Incompatible materials

Alkalis (lyes), oxidizing agents, amines

10.6 Hazardous decomposition productsCyanide, nitrous fumes (NO_x) and carbon monoxide

Thermal decomposition: No data available



SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Toxicological effects: The statements are derived from the properties of the single components. No toxicological data is available for the product as such.

Acute toxicity (oral): Lack of data.

Acute toxicity (dermal): Lack of data.

Acute toxicity (inhalative): Lack of data.

Skin corrosion/irritation: Skin Irrit. 2; H315 = Causes skin irritation.

Serious eye damage/irritation: Eye Irrit. 2; H319 = Causes serious eye irritation.

Sensitisation to the respiratory tract: Lack of data.

Skin sensitisation: Lack of data.

Germ cell mutagenicity/Genotoxicity: Lack of data.

Carcinogenicity: Lack of data.

Reproductive toxicity: Lack of data.

Effects on or via lactation: Lack of data.

Specific target organ toxicity (single exposure): STOT SE 3; H335 = May cause respiratory irritation.

Specific target organ toxicity (repeated exposure): Lack of data.

Aspiration hazard: Lack of data.

In case of inhalation: Irritant. May cause sensitization by inhalation.

Following skin contact: irritant

After eye contact: irritant

11.2 Information on other hazards

Endocrine disrupting properties: No data available

Symptoms

In case of ingestion: May be harmful if swallowed.

After contact with skin: Redness, pain.

After eye contact: Redness, pain.

SECTION 12: Ecological information

12.1 Toxicity

Further details: No data available

12.2 Persistence and degradability

Further details: No data available

12.3 Bioaccumulative potential

Partition coefficient: n-octanol/water:

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

No data available

12.6 Endocrine disrupting properties

No data available

**12.7 Other adverse effects**

General information: Do not allow to enter into ground-water, surface water or drains.

SECTION 13: Disposal considerations**13.1 Waste treatment methods****Product**

Waste key number: 08 04 09* = Waste adhesives and sealants containing organic solvents or other dangerous substances.

* = Evidence for disposal must be provided.

Recommendation: Incinerate according to applicable local, state and federal regulations.

Package

Waste key number: 15 01 02 = Plastic packaging

Recommendation: Dispose of waste according to applicable legislation.
Handle contaminated packages in the same way as the substance itself.

SECTION 14: Transport information**14.1 UN number or ID number**

ADR/RID, IMDG: not applicable

IATA-DGR: UN 3334

14.2 UN proper shipping name

ADR/RID, IMDG: Not restricted

IATA-DGR: UN 3334, AVIATION REGULATED LIQUID, N.O.S. (Ethyl 2-cyanoacrylate)

14.3 Transport hazard class(es)

ADR/RID, IMDG: not applicable

IATA-DGR: Class 9

14.4 Packing group

ADR/RID, IMDG, IATA-DGR: not applicable

14.5 Environmental hazards

Dangerous for the environment: Substance/mixture is not environmentally hazardous according to the criteria of the UN model regulations.

Marine pollutant: no

14.6 Special precautions for user**Air transport (IATA)**

Hazard label: Miscellaneous

Excepted Quantity Code: E1

Passenger and Cargo Aircraft: Ltd.Qty.: Pack.Instr. Y964 - Max. Net Qty/Pkg. 30 kg G

Passenger and Cargo Aircraft: Pack.Instr. 964 - Max. Net Qty/Pkg. 450 L

Cargo Aircraft only: Pack.Instr. 964 - Max. Net Qty/Pkg. 450 L

Special Provisions: A27

Emergency Response Guide-Code (ERG): 9A

14.7 Maritime transport in bulk according to IMO instruments

No data available



SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulations - EC member states

Labelling of packaging with <= 125mL content



Signal word:

Warning

Hazard statements:

H335

May cause respiratory irritation.

EUH202

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

Precautionary statements:

P261

Avoid breathing vapours.

P271

Use only outdoors or in a well-ventilated area.

P312

Call a POISON CENTER/doctor if you feel unwell.

P403+P233

Store in a well-ventilated place. Keep container tightly closed.

Further regulations, limitations and legal requirements:

No data available

15.2 Chemical Safety Assessment

For this mixture a chemical safety assessment is not required.

SECTION 16: Other information

Wording of the H-phrases under paragraph 2 and 3:

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.

Reason of change:

General revision

Date of first version:

29/10/1994

Department issuing data sheet: see section 1: Department responsible for information

Abbreviations and acronyms:

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

AS/NZS: Australian Standards/New Zealand Standards

CAS: Chemical Abstracts Service

CFR: Code of Federal Regulations

CLP: Classification, Labelling and Packaging

DMEL: Derived minimal effect level

DNEL: Derived no-effect level

EC: European Community

EN: European Standard

EQ: Excepted quantities

EU: European Union

Eye Dam.: Eye damage

Eye Irrit.: Eye irritation

IATA: International Air Transport Association

IATA-DGR: International Air Transport Association – Dangerous Goods Regulations

IBC Code: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk

IMDG Code: International Maritime Dangerous Goods Code

MARPOL: Maritime Pollution: The International Convention for the Prevention of Pollution from Ships

OEL: Occupational Exposure Limit Value

OSHA: Occupational Safety and Health Administration

PBT: Persistent, bioaccumulative and toxic

PNEC: Predicted no-effect concentration

REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals

RID: Regulations Concerning the International Carriage of Dangerous Goods by Rail

Skin Irrit.: Skin irritation

STOT SE: Specific target organ toxicity - single exposure

TLV: Threshold Limit Value

TRGS: Technical Rules for Hazardous Substances

UN: United Nations

vPvB: Very persistent and very bioaccumulative

WEL: Workplace Exposure Limit



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