



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

1.1 Product identifier

Trade name: Bondex

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: 6842 Koblach

Austria

WWW: www.eurotech.at

E-mail: office@eurotech.at

Telephone: +43 (0)5523 53852

Telefax: +43 (0)5523 53852 4

Dept. responsible for information:

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

Additional information: 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

1.4 Emergency telephone number

Giftzentrale Wien, Telephone: +43 (0)1-4064343

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.



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.
	Contains Ethyl 2-cyanoacrylate

2.3 Other hazards

No risks worthy of mention.

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:

Ingredient	Designation	Content	Classification
EC No. 230-391-5 CAS 7085-85-0	Ethyl 2-cyanoacrylate	>= 70 %	Skin Irrit. 2; H315. Eye Irrit. 2; H319. STOT SE 3; H335.

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

SECTION 4: First aid measures**4.1 Description of first aid measures**

General information:	Cyanoacrylate - 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 cyanoacrylate to polymerize 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:

Hazchem-Code: -

Use fine water spray to cool endangered containers.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Cyanoacrylate - 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 (e.g. 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	Great Britain: WEL-STEL Ireland: 8 hours	1.5 mg/m ³ ; 0.3 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:

Cyanoacrylate - 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.



SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance:	Form: liquid, oily Colour: colourless
Odour:	characteristic
Odour threshold:	No data available
pH value:	No data available
Melting point/freezing point:	No data available
Initial boiling point and boiling range:	> 200 °C
Flash point/flash point range:	87 °C (ISO 2592)
Evaporation rate:	No data available
Flammability:	No data available
Explosion limits:	No data available
Vapour pressure:	at 20 °C: ≤ 0.5 hPa (DIN 51616)
Vapour density:	No data available
Density:	at 20 °C: 1.07 g/mL (DIN 51757)
Water solubility:	immiscible
Partition coefficient: n-octanol/water:	No data available
Auto-ignition temperature:	not self-igniting
Decomposition temperature:	No data available
Viscosity, dynamic:	at 20 °C: 30 - 500 mPa*s
Explosive properties:	Product is not explosive.
Oxidizing characteristics:	No data available

9.2 Other information

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 products

Thermal decomposition: Cyanide, nitrous fumes (NO_x) and carbon monoxide
No data available

SECTION 11: Toxicological information

11.1 Information on toxicological effects

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

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 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.

MFSU = manufacture, formulation, supply and use

* = Evidence for disposal must be provided.

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

Contaminated packaging

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

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: not applicable

IATA-DGR: III

14.5 Environmental hazards

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 Transport in bulk according to Annex II of Marpol and the IBC Code

No data available

SECTION 15: Regulatory information

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

National regulations - Great Britain

Hazchem-Code: -
No data available

National regulations - EC member states

Labelling of packaging with <= 125mL content



Signal word:	Warning
Hazard statements:	H335 May cause respiratory irritation.
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.

15.2 Chemical Safety Assessment

For this mixture a chemical safety assessment is not required.

SECTION 16: Other information

Further 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.



SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH) and Regulation (EU) No. 2015/830

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Bondex

Material number 92

Page: 9 of 9

Reason of change: Changes in section 2: Labelling (P-phrases, ATP8)

Date of first version: 29/10/1994

Department issuing data sheet

Contact person: see section 1: Dept. responsible for information

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

The information in this data sheet has been established to our best knowledge and was up-to-date at time of revision. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.