

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

Cyanacrylate Adhesive

Print date: 26.01.2017

Product code: 14-35

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SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Cyanacrylate Adhesive

1.2. Relevant identified uses of the substance or mixture and uses advised against**Use of the substance/mixture**

Adhesives, sealants

Uses advised against

Reserved for industrial and professional use.

1.3. Details of the supplier of the safety data sheet

Company name: ITW LLC & Co. KG
Street: Mühlackerstrasse 149
Place: D-75417 Mühlacker
Telephone: ++49(0)7041-96340
e-mail: info@itwcp.de
Internet: www.itwcp.de
Responsible Department: Produktsicherheit

Telefax: ++49(0)7041-963429

1.4. Emergency telephone

++49(0)7041-96340

number:

Mo. - Do. 8.00 - 16.30 Fr. 8.00 - 14.00

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Regulation (EC) No. 1272/2008**

Hazard categories:

Skin corrosion/irritation: Skin Irrit. 2

Serious eye damage/eye irritation: Eye Irrit. 2

Specific target organ toxicity - single exposure: STOT SE 3

Hazard Statements:

May cause respiratory irritation.

Causes serious eye irritation.

Causes skin irritation.

2.2. Label elements**Regulation (EC) No. 1272/2008****Hazard components for labelling**

Ethyl-2-cyanacrylat

Ethyl cyanoacrylate

Signal word:

Warning

Pictograms:**Hazard statements**

H335

May cause respiratory irritation.

H319

Causes serious eye irritation.

H315

Causes skin irritation.

Precautionary statements

P501

Dispose of contents/container to Dispose of this material and its container to hazardous or special waste collection point. .

P302+P352

IF ON SKIN: Wash with plenty of water.

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P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

Special labelling of certain mixtures

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

SECTION 3: Composition/information on ingredients**3.2. Mixtures****Hazardous components**

| CAS No | Chemical name | | | Quantity |
|-----------|--|--------------|----------|----------|
| | EC No | Index No | REACH No | |
| | Classification according to Regulation (EC) No. 1272/2008 [CLP] | | | |
| 7085-85-0 | ethyl 2-cyanoacrylate | | | 25-100 % |
| | 230-391-5 | 607-236-00-9 | | |
| | Eye Irrit. 2, STOT SE 3, Skin Irrit. 2; H319 H335 H315 | | | |
| 123-31-9 | 1,4-dihydroxybenzene; hydroquinone; quinol | | | <0,1 % |
| | 204-617-8 | 604-005-00-4 | | |
| | Carc. 2, Muta. 2, Acute Tox. 4, Eye Dam. 1, Skin Sens. 1, Aquatic Acute 1 (M-Factor = 10); H351 H341 H302 H318 H317 H400 | | | |

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

SECTION 4: First aid measures**4.1. Description of first aid measures****General information**

Take off contaminated clothing.

After inhalation

Provide fresh air. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

After contact with skin

After contact with skin, wash immediately with: Water. Change contaminated clothing. Cyanoacrylate containing adhesive. After contact with skin, wash immediately with plenty of water and soap. If skin irritation or rash occurs: Get medical advice/attention.

After contact with eyes

If product gets into the eye, keep eyelid open and rinse immediately with large quantities of water, for at least 5 minutes. Subsequently consult an ophthalmologist. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

After ingestion

If swallowed, immediately drink: Water. Rinse mouth immediately and drink plenty of water. In case of accident or if you feel unwell, seek medical advice immediately (show this label if possible).

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**Carbon dioxide (CO₂). Foam. Extinguishing powder.

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Unsuitable extinguishing media

Water with tenside additive. Water.

5.2. Special hazards arising from the substance or mixture

Vapours may form explosive mixtures with air. In case of fire may be liberated: Nitrogen oxides (NO_x). Carbon monoxide. Carbon dioxide (CO₂).

5.3. Advice for firefighters

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

Additional information

Suppress gases/vapours/mists with water spray jet. Contaminated fire-fighting water must be collected separately. Do not allow to enter into surface water or drains.

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

Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Wear personal protection equipment.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Do not allow to enter into surface water or drains.

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). Treat the recovered material as prescribed in the section on waste disposal. Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

6.4. Reference to other sections

No data available

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

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray. Provide adequate ventilation as well as local exhaust at critical locations. Ensure adequate ventilation of the storage area.

Advice on protection against fire and explosion

Keep away from sources of ignition. - No smoking.

Further information on handling

Keep only in the original container at temperature not exceeding 7 °C.

7.2. Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Keep container tightly closed. storage temperature: 5-7°C

Advice on storage compatibility

Do not store together with:

Further information on storage conditions

Keep locked up and out of reach of children. Keep away from heat. Keep/Store only in original container.

7.3. Specific end use(s)

No data available

SECTION 8: Exposure controls/personal protection**8.1. Control parameters**

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Exposure limits (EH40)

| CAS No | Substance | ppm | mg/m ³ | fibres/ml | Category | Origin |
|-----------|---------------------|-----|-------------------|-----------|---------------|--------|
| 7085-85-0 | Ethyl cyanoacrylate | - | - | | TWA (8 h) | WEL |
| | | 0.3 | 1.5 | | STEL (15 min) | WEL |
| 123-31-9 | Hydroquinone | - | 0.5 | | TWA (8 h) | WEL |
| | | - | - | | STEL (15 min) | WEL |

8.2. Exposure controls**Appropriate engineering controls**

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray.

Protective and hygiene measures

Remove contaminated, saturated clothing immediately. Protect skin by using skin protective cream. After work, wash hands and face. When using do not eat or drink. Avoid contact with skin.

Eye/face protection

Tightly sealed safety glasses.

Hand protection

DIN EN 374 Tested protective gloves are to be worn: Butyl rubber. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Skin protection

Wear suitable protective clothing.

Respiratory protection

In case of inadequate ventilation wear respiratory protection. Combination filter device (DIN EN 141)..

Environmental exposure controls

No data available

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

| | |
|-----------------|------------|
| Physical state: | liquid |
| Colour: | colourless |
| Odour: | stinging |

Test method**Changes in the physical state**

| | |
|------------------------------------|------------------------|
| Flash point: | > 80 °C |
| Density: | 1,09 g/cm ³ |
| Water solubility: | hydrolyzed |
| Viscosity / dynamic: (at 25 °C) | 1800-2200 mPa·s |

SECTION 10: Stability and reactivity

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10.1. Reactivity

No data available

10.2. Chemical stability

Keep away from heat. Protect from sunlight.

10.3. Possibility of hazardous reactions

Danger of polymerisation

10.4. Conditions to avoid

No data available

10.5. Incompatible materials

No data available

10.6. Hazardous decomposition products

No data available

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Toxicokinetics, metabolism and distribution**

Processing vapours can irritate the respiratory tracts, skin and eyes. not sensitising.

Acute toxicity

| CAS No | Chemical name | | | |
|----------|--|----------------|---------|--------|
| | Exposure route | Dose | Species | Source |
| 123-31-9 | 1,4-dihydroxybenzene; hydroquinone; quinol | | | |
| | oral | LD50 302 mg/kg | Rat | IUCLID |

Irritation and corrosivity

Irritating to eyes. Following inhalation: Lung irritation. Coughing. shortage of breath. After skin contact: Irritant.

Sensitising effects

not sensitising.

Carcinogenic/mutagenic/toxic effects for reproduction

No data available

STOT-repeated exposure

No data available

Additional information on tests

The classification was carried out according to the calculation method of the Preparations Directive (1999/45/EC).

SECTION 12: Ecological information**12.1. Toxicity**

No data available

| CAS No | Chemical name | | | | |
|----------|--|------------------|-----------|---------------------------|--------|
| | Aquatic toxicity | Dose | [h] [d] | Species | Source |
| 123-31-9 | 1,4-dihydroxybenzene; hydroquinone; quinol | | | | |
| | Acute fish toxicity | LC50 0,44 mg/l | 96 h | Pimephales promelas | IUCLID |
| | Acute algae toxicity | ErC50 0,335 mg/l | 72 h | Selenastrum capricornutum | IUCLID |
| | Acute crustacea toxicity | EC50 0,29 mg/l | 48 h | Daphnia magna | |

12.2. Persistence and degradability

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No data available

12.3. Bioaccumulative potential

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

No data available

Further information

The classification was carried out according to the calculation method of the Preparations Directive (1999/45/EC).

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Advice on disposal**

Dispose of waste according to applicable legislation.

Waste disposal number of waste from residues/unused products

150110 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by hazardous substances
Classified as hazardous waste.

Waste disposal number of contaminated packaging

150102 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); plastic packaging

Contaminated packaging

Water (with cleaning agent). Completely emptied packages can be recycled.

SECTION 14: Transport information**Land transport (ADR/RID)****Other applicable information (land transport)**

Not restricted

Inland waterways transport (ADN)**Other applicable information (inland waterways transport)**

Not restricted

Marine transport (IMDG)**Other applicable information (marine transport)**

Not restricted

Air transport (ICAO)**14.1. UN number:**

UN3334

14.2. UN proper shipping name:

AVIATION REGULATED LIQUID, N.O.S. (Cyanoacrylate ester)

14.3. Transport hazard class(es):

9

Hazard label:

9

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Special Provisions:

Limited quantity Passenger:

A27

30 kg G

IATA-packing instructions - Passenger:

964

IATA-max. quantity - Passenger:

100 L

IATA-packing instructions - Cargo:

964

IATA-max. quantity - Cargo:

220 L

Other applicable information (air transport)

E1

: Y964

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulatory information**

Water contaminating class (D): 1 - slightly water contaminating

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information**Relevant H and EUH statements (number and full text)**

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

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