

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**Cyanacrylate Adhesive**

Print date: 26.01.2017

Product code: 14-38

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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. .

P337+P313

If eye irritation persists: Get medical advice/attention.

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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 (CO<sub>2</sub>). 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<sub>x</sub>). Carbon monoxide. Carbon dioxide (CO<sub>2</sub>).

**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 <sup>3</sup>	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:	1,06 g/cm <sup>3</sup>
Water solubility:	hydrolyzed
Viscosity / dynamic: (at 25 °C)	20-40 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****Toxicocinetics, 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.)