



## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Cyanacrylate Adhesive Gel

Revision date: 20.12.2019

Product code: 14-54

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#### Pictograms:



#### Hazard statements

H335 May cause respiratory irritation.  
 H319 Causes serious eye irritation.  
 H315 Causes skin irritation.

#### Precautionary statements

P312 Call a POISON CENTER/doctor if you feel unwell.  
 P337+P313 If eye irritation persists: Get medical advice/attention.  
 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.  
 P271 Use only outdoors or in a well-ventilated area.  
 P102 Keep out of reach of children.  
 P101 If medical advice is needed, have product container or label at hand.

#### Special labelling of certain mixtures

EUH202 Cyanoacrylate. Danger. Bonds skin and eyes in seconds. Keep out of the reach of children.  
 EUH208 Contains 1,4 Dihydroxybenzol. May produce an allergic reaction.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Hazardous components

CAS No	Chemical name	Quantity
	EC No	
	Index No	
	REACH No	
	GHS Classification	
7085-85-0	ethyl 2-cyanoacrylate	>30 %
	230-391-5	607-236-00-9
	Eye Irrit. 2, STOT SE 3, Skin Irrit. 2; H319 H335 H315	
9011-14-7	Poly(methyl methacrylate)	1-20 %
123-31-9	1,4-dihydroxybenzene; hydroquinone; quinol	01-1 %
	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).

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**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).

**4.2. Most important symptoms and effects, both acute and delayed****SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**

Carbon dioxide (CO<sub>2</sub>). Foam. Extinguishing powder.

**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 exhaustion at critical locations. Ensure adequate ventilation of the storage area.

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#### 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

##### Hints on joint storage

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

##### Exposure limits (EH40)

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

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**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**

Melting point: ANSI/ASTM D3451-76  
Initial boiling point and boiling range: 185 °C  
Flash point: > 85 °C  
Vapour pressure: ASTM D 323  
Density: 1,07 g/cm<sup>3</sup>  
Water solubility: hydrolyzed

**SECTION 10: Stability and reactivity****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**

Based on available data, the classification criteria are not met.

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

**Irritation and corrosivity**

Causes serious eye irritation.

Causes skin irritation.

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

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**Sensitising effects**

Contains 1,4 Dihydroxybenzol. May produce an allergic reaction.  
not sensitising.

**Carcinogenic/mutagenic/toxic effects for reproduction**

Based on available data, the classification criteria are not met.  
No data available

**STOT-single exposure**

May cause respiratory irritation. (ethyl 2-cyanoacrylate)

**STOT-repeated exposure**

Based on available data, the classification criteria are not met.  
No data available

**Aspiration hazard**

Based on available data, the classification criteria are not met.

**Additional information on tests**

No data available

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

No data available

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

**12.2. Persistence and degradability**

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**

No data available

**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**



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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; 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-TI/IATA-DGR)****14.1. UN number:**

UN3334

**14.2. UN proper shipping name:**

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

**14.3. Transport hazard class(es):**

9

Hazard label:

9



Special Provisions:

A27

Limited quantity Passenger:

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.

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**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.
EUH208	Contains 1,4 Dihydroxybenzol. May produce an allergic reaction.

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