



# PRO 4W06

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Reference number: 01-005-444

Issue date: 08/07/2008 Revision date: 03/03/2022 Supersedes version of: 09/04/2018 Version: 4.0

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

#### 1.1. Product identifier

Product form : Mixture  
Product name : Cyanoacrylate adhesive  
Product code : adhesives  
Type of product : Trade product  
Product group

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

##### 1.2.1. Relevant identified uses

Use of the substance/mixture : Adhesives, sealants  
Function or use category : Adhesives, binding agents

##### 1.2.2. Uses advised against

No additional information available

#### 1.3. Details of the supplier of the safety data sheet

WINKEL GmbH Lisztstraße 1 53881  
Euskirchen - Germany  
Tel.: +49 2251 77 69 400-401  
Fax: +49 2251 77 69 402  
E-Mail: info@winkelgroup.de  
Internet:www.winkelgroup.de

#### 1.4. Emergency telephone number

Emergency number : +49 2251 77 69 400-401

Country	Organisation/Company	Address	Emergency number	Comment
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2566 (Healthcare professionals- 24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)	
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH Birmingham	0344 892 0111	Only for healthcare professionals

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Skin corrosion/irritation, Category 2 H315  
Serious eye damage/eye irritation, Category 2 H319



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Specific target organ toxicity — Single exposure, Category 3, Respiratory H335  
tract irritation  
Full text of H- and EUH-statements: see section 16

### Adverse physicochemical, human health and environmental effects

No additional information available

## 2.2. Label elements

### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)



GHS07

Signal word (CLP)

: Warning

Contains

: Ethyl 2-cyanoacrylate

Hazard statements (CLP)

: H315 - Causes skin irritation.

H319 - Causes serious eye irritation.

H335 - May cause respiratory irritation.

Precautionary statements (CLP)

: P261 - Avoid breathing fume, vapours.

P271 - Use only outdoors or in a well-ventilated area.

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

P302+P352 - IF ON SKIN: Wash with plenty of soap and water.

P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 - If eye irritation persists: Get medical advice/attention.

EUH-statements

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

## 2.3. Other hazards

Other hazards which do not result in classification : Contact with skin through cellulose based fabrics (i.e cotton, rayon, linen, viscose) generates heat and may cause burns.

Contains no PBT/vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Ethyl 2-cyanoacrylate	CAS-No.: 7085-85-0 EC-No.: 230-391-5 EC Index-No.: 607-236-00-9 REACH-no: 01-2119527766-29	$\geq 90$	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335



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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
1,4-dihydroxybenzene; hydroquinone; quinol	CAS-No.: 123-31-9 EC-No.: 204-617-8 EC Index-No.: 604-005-00-4	≥ 0.01 – < 0.1	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318 Skin Sens. 1, H317 Muta. 2, H341 Carc. 2, H351 Aquatic Acute 1, H400 (M=10)

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

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

First-aid measures general	: Do not pull bonded skin apart.
First-aid measures after inhalation	: Move the affected person away from the contaminated area and into the fresh air. If symptoms persist, consult a doctor.
First-aid measures after skin contact	: Do not pull bonded skin apart. Remove all contaminated clothing and footwear. unless stuck to skin. . Wash immediately with plenty of soap and water. Any bonded skin should be gently peeled apart, preferably after soaking in warm, soapy water. In the case of large spills on the skin, superficial burns may occur - treat accordingly. If irritation persists, consult a doctor.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. If the eyelid is bonded closed, do not force open. Cover with wet pad soaked in warm water. Get prompt medical attention in case solid particles of cured cyanoacrylate get trapped behind the eye, there is a possibility of causing abrasive damage. The affected eye should be covered with wet dressing until the separation process is complete, usually 1-3 days. If eye irritation persists, consult a specialist.
First-aid measures after ingestion	: The product will polymerise immediately in the mouth, making it almost impossible to swallow, but beware of possible choking hazard. Make sure the airways are not obstructed. Saliva will separate the solidified product from the mouth within a few hours. If symptoms persist, consult a doctor.

#### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects	: Not expected to present a significant hazard under anticipated conditions of normal use.
Symptoms/effects after inhalation	: May cause shortness of breath, tightness of the chest, a sore throat and cough.
Symptoms/effects after skin contact	: skin irritation and erythema. Cyanoacrylates bond skin in seconds. In the case of large spills on the skin, superficial burns may occur - treat accordingly.
Symptoms/effects after eye contact	: Causes eye irritation. redness, itching, tears. Cyanoacrylates bond eyelids in seconds.
Symptoms/effects after ingestion	: Causes irritation of the mouth and throat. The product will polymerise immediately in the mouth, making it almost impossible to swallow, but beware of possible choking hazard.

#### 4.3. Indication of any immediate medical attention and special treatment needed

An eyewash station should be available on the premises.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media	: dry chemical powder, alcohol-resistant foam, carbon dioxide (CO <sub>2</sub> ).
Unsuitable extinguishing media	: high volume water jet or water based extinguishing media.

#### 5.2. Special hazards arising from the substance or mixture

Reactivity in case of fire	: On heating, there is a risk of bursting due to internal pressure build-up. Cool down the containers exposed to heat with a water spray.
Hazardous decomposition products in case of fire	: Combustion products may include the following: carbon oxides (CO, CO <sub>2</sub> ) (carbon monoxide, carbon dioxide) nitrogen oxides (NO, NO <sub>2</sub> etc.).



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### 5.3. Advice for firefighters

- |                                |  |
|--------------------------------|--|
| Firefighting instructions      | : Do not allow water to enter the vessels, a violent reaction may occur.   |
| Protection during firefighting | : Use self-contained breathing apparatus and chemically protective clothing. Avoid contact with eyes, skin and clothing. |

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

- |                  |                                     |
|------------------|-------------------------------------|
| General measures | : Avoid contact with skin and eyes. |
|------------------|-------------------------------------|

#### 6.1.1. For non-emergency personnel

- |                      |   |
|----------------------|---|
| Emergency procedures | : See section 8 of the SDS for more information on personal protective equipment. Avoid contact with skin, eyes and clothing. |
|----------------------|---|

#### 6.1.2. For emergency responders

- |                      |  |
|----------------------|--|
| Protective equipment | : Protective gloves. EN 374-2. Safety glasses. EN 166.   |
| Emergency procedures | : See section 8 of the SDS for more information on personal protective equipment. Mark out the contaminated area with signs and prevent access to unauthorized personnel. Stop the leak. Turn leaking containers leak-side up to prevent the escape of liquid. |

### 6.2. Environmental precautions

For a large spillage, contain the spillage by bunding. Do not allow contact with water. Do not allow to enter drains or water courses.

### 6.3. Methods and material for containment and cleaning up

- |                         |  |
|-------------------------|--|
| For containment         | : For large spills, confine the spill in a dike and charge it with wet sand or earth for subsequent safe disposal. (Do not use cloths; rags or materials made from cellulose).   |
| Methods for cleaning up | : Absorb spilled material with sand or earth. (Do not use cloths; rags or materials made from cellulose). Or polymerise slowly with water (~10:1, adhesive : water) and then scrape up residue. Place in an appropriate container and dispose of the contaminated material at a licensed site. |

### 6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

- |                               |  |
|-------------------------------|--|
| Precautions for safe handling | : Avoid contact with skin, eyes and clothing. Ensure that there is a suitable ventilation system. Do not handle in a confined space. Ambient humidity should be >35% to minimise discomfort. |
| Hygiene measures              | : Always wash hands after handling the product.  |

### 7.2. Conditions for safe storage, including any incompatibilities

- |                        |  |
|------------------------|--|
| Technical measures     | : Store in a well-ventilated place. Keep container tightly closed. Store away from direct sunlight or other heat sources.  |
| Storage conditions     | : Keep only in original container. Protect from sunlight. For optimum shelf-life, it is recommended to keep the product in a refrigerated storage area. . Storage temperature 2-8°C. |
| Incompatible products  | : Oxidizing agent. Strong bases. Water. Amines. alcohols.  |
| Incompatible materials | : Heat sources. Water, humidity.   |
| Storage temperature    | : 2 – 24 °C For optimum shelf-life, it is recommended to keep the product in a refrigerated storage area.  |
| Storage area           | : Store in a well-ventilated place.  |
| Packaging materials    | : Always store product in a container of the same material as original container.  |

### 7.3. Specific end use(s)

adhesives.



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### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### 8.1.1 National occupational exposure and biological limit values

Ethyl 2-cyanoacrylate (7085-85-0)	
Ireland - Occupational Exposure Limits	
Local name	Cyanoacrylate, Ethyl [Ethyl cyanoacrylate]
OEL TWA [2]	0.2 ppm
OEL STEL [ppm]	1 ppm
Regulatory reference	Chemical Agents Code of Practice 2021
United Kingdom - Occupational Exposure Limits	
Local name	Ethyl cyanoacrylate
WEL STEL (OEL STEL)	1.5 mg/m <sup>3</sup>
WEL STEL (OEL STEL) [ppm]	0.3 ppm
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE
1,4-dihydroxybenzene; hydroquinone; quinol (123-31-9)	
Ireland - Occupational Exposure Limits	
Local name	Hydroquinone [p-Dihydroxybenzene]
OEL TWA [1]	0.5 mg/m <sup>3</sup>
Remark	Sens. (In the workplace respiratory or dermal exposures to sensitising agents may occur. Sensitizers may evoke respiratory or dermal reactions, e.g. asthma, rhinitis and allergic contact dermatitis. The notation does not distinguish between respiratory or dermal sensitisation. Chemical agents that are sensitizers present special problems in the workplace. Should an employee become sensitised, subsequent exposure may cause intense responses, even at low exposure concentrations well below the OELV. Exposure should be eliminated or significantly reduced through control measures such as engineering and process controls and use of personal protective equipment (PPE))
Regulatory reference	Chemical Agents Code of Practice 2021
United Kingdom - Occupational Exposure Limits	
Local name	Hydroquinone
WEL TWA (OEL TWA) [1]	0.5 mg/m <sup>3</sup>
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

##### Exposure limit values for the other components

boron trifluoride (7637-07-2)	
Ireland - Occupational Exposure Limits	
Local name	Boron trifluoride
OEL STEL	3 mg/m <sup>3</sup>
OEL STEL [ppm]	1 ppm
Regulatory reference	Chemical Agents Code of Practice 2021

##### 8.1.2. Recommended monitoring procedures

No additional information available

##### 8.1.3. Air contaminants formed

No additional information available



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### 8.1.4. DNEL and PNEC

No additional information available

### 8.1.5. Control banding

No additional information available

## 8.2. Exposure controls

### 8.2.1. Appropriate engineering controls

#### Appropriate engineering controls:

Ensure that there is a suitable ventilation system. See section 7 of the SDS.

### 8.2.2. Personal protection equipment

#### Personal protective equipment:

Safety glasses. Gloves.

#### Personal protective equipment symbol(s):



#### 8.2.2.1. Eye and face protection

##### Eye protection:

Safety glasses

Eye protection			
Type	Field of application	Characteristics	Standard
Safety glasses	Droplet	With side shields	EN 166

#### 8.2.2.2. Skin protection

##### Skin and body protection:

Do not wear cellulose based protective clothing (i.e cotton, rayon, linen, viscose).

Hand protection					
Type	Material	Permeation	Thickness (mm)	Penetration	Standard
Disposable gloves	Nitrile rubber (NBR)	3 (> 60 minutes)	>0,15		

#### 8.2.2.3. Respiratory protection

##### Respiratory protection:

[In case of inadequate ventilation] wear respiratory protection. Keep self contained breathing apparatus readily available for emergency use.

Respiratory protection			
Device	Filter type	Condition	Standard
Reusable half mask	Gas/vapour filter	If conc. in air > exposure limit	EN 405, EN 14387

#### 8.2.2.4. Thermal hazards

No additional information available

### 8.2.3. Environmental exposure controls

No additional information 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.
Appearance	: Clear, colourless liquid.
Odour	: Acrid.
Odour threshold	: Not available
Melting point	: Not applicable.
Freezing point	: Not available
Boiling point	: > 150 °C
Flammability	: Not available
Explosive properties	: Product is not explosive.
Oxidising properties	: Not oxidising.
Explosive limits	: Not available
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	: > 85 °C
Auto-ignition temperature	: Not applicable.
Decomposition temperature	: Not available
pH	: Not applicable.
Viscosity, kinematic	: ≈ 96 mm <sup>2</sup> /s (calculated value)
Viscosity, dynamic	: ≈ Anton Paar cone and plate, controlled stress rheometer
Solubility	: Soluble in acetone. Reacts violently on contact with water. Water: 24 µg/l @ 20 °C and pH 6.6
Partition coefficient n-octanol/water (Log Kow)	: Not available
Partition coefficient n-octanol/water (Log Pow)	: 0.776 @ 22 °C & pH 6.3
Vapour pressure	: 21 Pa @20°C
Vapour pressure at 50 °C	: Not available
Density	: Not available
Relative density	: 1.04
Relative vapour density at 20 °C	: ~0.04mmHg @25°C
Particle characteristics	: Not applicable

#### 9.2. Other information

##### 9.2.1. Information with regard to physical hazard classes

No additional information available

##### 9.2.2. Other safety characteristics

VOC content : < 3 g/l

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport. Do not allow contact with water.

#### 10.2. Chemical stability

Stable under normal conditions of use. Polymerises on exposure to water (moisture).

Hardening time : < 50 Seconds

#### 10.3. Possibility of hazardous reactions

Stable under normal conditions of use. Polymerises on exposure to temperature rise: pressure build-up may cause closed container to burst.

#### 10.4. Conditions to avoid

Heat. High temperature. Open flame. Water, humidity. Protect from sunlight.

#### 10.5. Incompatible materials

Incompatible with water, humid air. Oxidizing agent. Strong bases. Amines. alcohols.



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### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, nitrogen oxides (NOx).

## SECTION 11: Toxicological information

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

Acute toxicity (oral)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (dermal)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation)	: Not classified (Based on available data, the classification criteria are not met)

#### 4W06 Cyanoacrylate adhesive

LD50 oral rat	> 5000 mg/kg
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#### Ethyl 2-cyanoacrylate (7085-85-0)

LD50 oral rat	> 5 ml/kg
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#### 1,4-dihydroxybenzene; hydroquinone; quinol (123-31-9)

LD50 dermal rabbit	> 2000 mg/kg bodyweight (OECD 402 method)
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Skin corrosion/irritation	: Causes skin irritation. pH: Not applicable.
Serious eye damage/irritation	: Causes serious eye irritation. pH: Not applicable.
Respiratory or skin sensitisation	: Not classified (Based on available data, the classification criteria are not met)
Germ cell mutagenicity	: Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity	: Not classified (Based on available data, the classification criteria are not met)
Reproductive toxicity	: Not classified (Based on available data, the classification criteria are not met)
STOT-single exposure	: May cause respiratory irritation.

#### Ethyl 2-cyanoacrylate (7085-85-0)

STOT-single exposure	May cause respiratory irritation.
----------------------	-----------------------------------

STOT-repeated exposure	: Not classified (Based on available data, the classification criteria are not met)
Aspiration hazard	: Not classified (Based on available data, the classification criteria are not met)

#### 4W06 Cyanoacrylate adhesive

Viscosity, kinematic	≈ 96 mm <sup>2</sup> /s (calculated value)
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### 11.2. Information on other hazards

No additional information available

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general	: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Ecology - water	: Polymerises on exposure to water (moisture).
Hazardous to the aquatic environment, short-term (acute)	: Not classified (Based on available data, the classification criteria are not met)
Hazardous to the aquatic environment, long-term (chronic)	: Not classified (Based on available data, the classification criteria are not met)

#### 1,4-dihydroxybenzene; hydroquinone; quinol (123-31-9)

LC50 - Fish [1]	0.638 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)
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### 1,4-dihydroxybenzene; hydroquinone; quinol (123-31-9)

EC50 - Crustacea [1] 0.134 mg/l Species: Daphnia magna

EC50 - Crustacea [2] 0.061 mg/l Species: Daphnia magna

### 12.2. Persistence and degradability

#### 4W06 Cyanoacrylate adhesive

Persistence and degradability Biodegradability in water: no data available.

### 12.3. Bioaccumulative potential

#### 4W06 Cyanoacrylate adhesive

Partition coefficient n-octanol/water (Log Pow) 0.776 @ 22 °C & pH 6.3

Bioaccumulative potential No bioaccumulation potential.

### 12.4. Mobility in soil

#### 4W06 Cyanoacrylate adhesive

Ecology - soil Potential for mobility in soil is slight.

Additional information Mobility is considered to be very low due to rapid polymerisation with water.

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Endocrine disrupting properties

No additional information available

### 12.7. Other adverse effects

Additional information : No other effects known

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Regional legislation (waste) : Disposal must be done according to official regulations.  
Waste treatment methods : The product can be polymerised slowly with water (10:1, adhesive : water). Cured product can then be disposed of in land-fill sites by licensed contractors. . Use suitable disposal containers.  
Product/Packaging disposal recommendations : Do not dispose of the packaging without first carrying out the necessary cleaning.  
Additional information : Empty containers should be taken for recycling, recovery or waste in accordance with local regulation.  
European List of Waste (LoW) code : 08 04 09\* - waste adhesives and sealants containing organic solvents or other dangerous substances

## SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID
<b>14.1. UN number or ID number</b>				
UN 3334	UN 3334	UN 3334	UN 3334	UN 3334





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ADR	IMDG	IATA	ADN	RID
<b>14.2. UN proper shipping name</b>				
Aviation regulated liquid, n.o.s. (Ethyl 2-cyanoacrylate)	AVIATION REGULATED LIQUID, N.O.S. (Ethyl 2-cyanoacrylate)	Aviation regulated liquid, n.o.s. (Ethyl 2-cyanoacrylate)	aviation regulated liquid, n.o.s. (Ethyl 2-cyanoacrylate)	Aviation regulated liquid, n.o.s. (Ethyl 2-cyanoacrylate)
<b>Transport document description</b>				
UN 3334 Aviation regulated liquid, n.o.s. (Ethyl 2-cyanoacrylate), 9, III	UN 3334 AVIATION REGULATED LIQUID, N.O.S. (Ethyl 2-cyanoacrylate), 9	UN 3334 Aviation regulated liquid, n.o.s. (Ethyl 2-cyanoacrylate), 9, III	UN 3334 aviation regulated liquid, n.o.s. (Ethyl 2-cyanoacrylate), 9	UN 3334 Aviation regulated liquid, n.o.s. (Ethyl 2-cyanoacrylate), 9
<b>14.3. Transport hazard class(es)</b>				
9	9	9	9	9
Not applicable			Not applicable	Not applicable
<b>14.4. Packing group</b>				
III	Not applicable	III	Not applicable	Not applicable
<b>14.5. Environmental hazards</b>				
Dangerous for the environment: No	Dangerous for the environment: No Marine pollutant: No	Dangerous for the environment: No	Dangerous for the environment: No	Dangerous for the environment: No
No supplementary information available				

### 14.6. Special precautions for user

#### Overland transport

Classification code (ADR) : M11

EAC code : 2Z

#### Transport by sea

Special provisions (IMDG) : 960

Stowage category (IMDG) : None

Properties and observations (IMDG) : Not subject to the provisions of this Code but may be subject to provisions governing the transport of dangerous goods by other modes.

#### Air transport

Transport regulations (IATA) : Primary packs containing less than 500ml are unregulated by this mode of transport and may be shipped unrestricted.

PCA Excepted quantities (IATA) : E1

PCA Limited quantities (IATA) : Y964

PCA limited quantity max net quantity (IATA) : 30kgG

PCA packing instructions (IATA) : 964

PCA max net quantity (IATA) : 100L

CAO packing instructions (IATA) : 964

CAO max net quantity (IATA) : 220L

Special provisions (IATA) : A27

ERG code (IATA) : 9A

#### Inland waterway transport

Classification code (ADN) : M11

#### Rail transport

Classification code (RID) : M11



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### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

##### EU restriction list (REACH Annex XVII)

Reference code	Applicable on	Entry title or description
3(b)	4W06 Cyanoacrylate adhesive ; Ethyl 2-cyanoacrylate ; 1,4-dihydroxybenzene; hydroquinone; quinol	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10
3(c)	1,4-dihydroxybenzene; hydroquinone; quinol	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

Contains no substance subject to REGULATION (EU) No 1005/2009 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 September 2009 on substances that deplete the ozone layer.

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

VOC content : < 3 g/l

Contains no substance subject to Regulation (EC) 273/2004 of the European Parliament and of the Council of 11 February 2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances.

#### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out for the substance or the mixture by the supplier

## SECTION 16: Other information

### Indication of changes:

All chapters have been modified since the previous version.

#### Indication of changes

Section	Changed item	Change	Comments
	Supersedes version of	Added	
	Revision date	Modified	
	Indication of changes	Added	
15.1	REACH Annex XVII	Added	
16	Abbreviations and acronyms	Added	

#### Abbreviations and acronyms:

CAS-No.	Chemical Abstract Service number
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# PRO 4W06

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Reference number: 01-005-444

Issue date: 08/07/2008 Revision date: 03/03/2022 Supersedes version of: 09/04/2018 Version: 4.0

### 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
ATE	Acute Toxicity Estimate
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC-No.	European Community number
EC50	Median effective concentration
EN	European Standard
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
IOELV	Indicative Occupational Exposure Limit Value
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
WGK	Water Hazard Class

Data sources

: Supplier's safety documents. ECHA (European Chemicals Agency). UNECE, <http://www.unece.org/>.

### Full text of H- and EUH-statements:

Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Carc. 2	Carcinogenicity, Category 2
EUH202	Cyanoacrylate. Danger. Bonds skin and eyes in seconds. Keep out of the reach of children.
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
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.



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### Full text of H- and EUH-statements:

H351	Suspected of causing cancer.
H400	Very toxic to aquatic life.
Muta. 2	Germ cell mutagenicity, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation

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