

SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

Page 1/7

C95 Cyanoacrylate


Revision 3

Revision date 2015-06-16

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

1.1. Product identifier	
Product name	C95 Cyanoacrylate
1.2. Relevant identified uses of the substance or mixture and uses advised against	
Product Use	[SU3] Industrial uses: Uses of substances as such or in preparations at industrial sites; [PC1] Adhesives, sealants;
1.3. Details of the supplier of the safety data sheet	
Company	Bondchem
Address	Unit 10 Lawson Street Dock Road Industrial Estate North Shields Tyne and Wear NE29 6TF
Web	www.bondchem.com
Telephone	+44 (0)191 2586990
Fax	+44 (0)191 2596853
1.4. Emergency telephone number	
Emergency telephone number	+44(0)191 2586990
Company	Bondchem (Head Office) 24 hours (Diverted out of office hours)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture	
2.1.1. Classification - 1999/45/EC	Xi; R36/37/38 Symbols: Xi: Irritant.
Main hazards	Irritating to eyes, respiratory system and skin.
2.1.2. Classification - EC 1272/2008	EUH202; Skin Irrit. 2: H315; Eye Irrit. 2: H319; STOT SE 3: H335;
2.2. Label elements	
Hazard pictograms	
Signal Word	Warning
Hazard Statement	EUH202 - Cyanoacrylate. Danger. Bonds skin and eyes in seconds. Keep out of the reach of children. Skin Irrit. 2: H315 - Causes skin irritation. Eye Irrit. 2: H319 - Causes serious eye irritation. STOT SE 3: H335 - May cause respiratory irritation.
Precautionary Statement: Prevention	P261 - Avoid breathing dust/fume/gas/mist/vapours/spray. P264 - Wash thoroughly after handling.

C95 Cyanoacrylate

Revision 3

Revision date 2015-06-16

2.2. Label elements

Precautionary Statement: Response	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 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. P312 - Call a POISON CENTER/doctor/ /if you feel unwell. P321 - Specific treatment (see on this label). P332+P313 - If skin irritation occurs: Get medical advice/attention. P337+P313 - If eye irritation persists: Get medical advice/attention.
	P403+P233 - Store in a well-ventilated place. Keep container tightly closed. P405 - Store locked up.
	P501 - Dispose of contents/container to to hazardous waste collection point. Refer to section 13.1 for waste treatment methods.
Precautionary Statement: Storage	
Precautionary Statement: Disposal	
SUPPLEMENTAL HAZARD INFORMATION	P3 - Cyanoacrylate. Danger. Bonds skin and eyes in seconds. Keep out of the reach of children.

2.3. Other hazards

Other hazards	This product is not identified as a PBT/vPvB substance.
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SECTION 3: Composition/information on ingredients

3.2. Mixtures

67/548/EEC / 1999/45/EC

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
Ethyl-2-cyanoacrylate (Ethyl cyanoacrylate)	607-236-00-9	7085-85-0	230-391-5	01-2119527766-29		Xi; R36/37/38	
1,4-Dihydroxybenzene (Hydroquinone)	604-005-00-4	123-31-9	204-617-8			Carc. Cat. 3; R40 Muta. Cat. 3; R68 Xn; R22 Xi; R41 R43 N; R50	M=10

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
Ethyl-2-cyanoacrylate (Ethyl cyanoacrylate)	607-236-00-9	7085-85-0	230-391-5	01-2119527766-29		Eye Irrit. 2: H319; STOT SE 3: H335; Skin Irrit. 2: H315;	

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Remove casualty from exposure ensuring one's own safety whilst doing so. Seek medical attention.
Eye contact	Bathe the eye with running water for 15 minutes. Seek medical attention.
Skin contact	Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash off immediately with plenty of soap and water.
Ingestion	Rinse mouth thoroughly. Seek medical attention.

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

Inhalation	Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system.
Eye contact	Irritating to eyes.
Skin contact	May cause irritation to skin.

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

	Eye wash bottle with water.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

	Use extinguishing media appropriate to the surrounding fire conditions.
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C95 Cyanoacrylate

Revision 3

Revision date 2015-06-16

5.2. Special hazards arising from the substance or mixture

Burning produces irritating, toxic and obnoxious fumes.

5.3. Advice for firefighters

Protective equipment. Self-contained breathing apparatus. Wear suitable respiratory equipment when necessary.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Refer to section 8 of SDS for personal protection details. If outside do not approach from downwind, keeping bystanders also upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak side up to prevent escape of liquid.

6.2. Environmental precautions

Contain the spillage using bunding. Do not allow runoff water to enter sewers or drains. Do not empty into drains; dispose of this material and its container in a safe way.

6.3. Methods and material for containment and cleaning up

Absorb with inert, absorbent material. Dispose of this material and its container to hazardous or special waste collection point.

6.4. Reference to other sections

SECTION 8: Exposure controls/personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Appropriate local exhaust ventilation is required. Avoid contact with eyes and skin. Do not handle in a confined space. Ensure adequate ventilation of the working area.

7.2. Conditions for safe storage, including any incompatibilities

Keep only in the original container at a temperature not exceeding 8 °C. Keep out of the reach of children.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Exposure Limit Values

1,4-Dihydroxybenzene (Hydroquinone)	WEL 8-hr limit ppm: -	WEL 8-hr limit mg/m3: 0.5
	WEL 15 min limit ppm: -	WEL 15 min limit mg/m3: -
	WEL 8-hr limit mg/m3 total inhalable dust: -	WEL 15 min limit mg/m3 total inhalable dust: -
	WEL 8-hr limit mg/m3 total respirable dust: -	WEL 15 min limit mg/m3 total respirable dust: -
Ethyl-2-cyanoacrylate (Ethyl cyanoacrylate)	WEL 8-hr limit ppm: -	WEL 8-hr limit mg/m3: -
	WEL 15 min limit ppm: 0.3	WEL 15 min limit mg/m3: 1.5
	WEL 8-hr limit mg/m3 total inhalable dust: -	WEL 15 min limit mg/m3 total inhalable dust: -
	WEL 8-hr limit mg/m3 total respirable dust: -	WEL 15 min limit mg/m3 total respirable dust: -

8.2. Exposure controls



C95 Cyanoacrylate

Revision 3

Revision date 2015-06-16

8.2. Exposure controls

Eye / face protection	Safety glasses. Provide eye wash station.
Skin protection - Handprotection	Wear suitable gloves. Wash hands after handling the product.
Skin protection - Other	Wear suitable protective clothing, gloves and eye/face protection.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Clear
Odour	Strong
Odour threshold	No data available
Melting point	No data available
Freezing Point	No data available
Initial boiling point	> 149 °C
Flash point	80 °C
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Upper Explosive Limit	No data available
Lower Explosive Limit	No data available
Vapour pressure	< 70000 Pa
Vapour density	No data available
Relative density	< 20 (H ₂ O = 1 @ 20 °C)
Water solubility	No data available
Fat Solubility	No data available
Soluble in	➔
Partition coefficient	No data available
Autoignition temperature	450 °C
Viscosity	= 50 mPas (Cone & Plate)
Explosive properties	No data available
Oxidising properties	No data available
Solubility	No data available

9.2. Other information

Conductivity	No data available
Surface tension	No data available
Specific gravity	= 1.05 g/cm ³
Softening point	No data available
Pour point	No data available
Gas group	No data available
Benzene Content	Not relevant
Lead content	Not relevant
VOC (Volatile organic compounds)	< 20 g/l

SECTION 10: Stability and reactivity

10.1. Reactivity

	Avoid contact with: Water.
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10.2. Chemical stability

	Stable under normal conditions.
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10.3. Possibility of hazardous reactions

	Hazardous reactions will not occur under normal transport or storage conditions. Decomposition
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C95 Cyanoacrylate

Revision 3

Revision date 2015-06-16

10.3. Possibility of hazardous reactions

may occur on exposure to conditions or materials listed below.

10.4. Conditions to avoid

Heat. Moisture.

10.5. Incompatible materials

Strong acids. Strong oxidising agents. Water.

10.6. Hazardous decomposition products

Burning produces irritating, toxic and obnoxious fumes.

SECTION 11: Toxicological information

11.1.4. Toxicological Information

C95 Cyanoacrylate	Oral Rat LD50: >5000mg/kg	Dermal Rabbit LD50: >2000mg/kg
Ethyl-2-cyanoacrylate	Oral Rat LD50: >5ml/kg	

SECTION 12: Ecological information

12.2. Persistence and degradability

Readily biodegradable.

12.3. Bioaccumulative potential

No observed effect concentration.

Partition coefficient

C95 Cyanoacrylate No data available

12.4. Mobility in soil

Readily absorbed into soil.

12.5. Results of PBT and vPvB assessment

PBT this product is not identified as a PBT/vPvB substance.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

08 04 09* waste adhesives and sealants containing organic solvents or other dangerous substances.

Disposal methods

Contact a licensed waste disposal company. For disposal within the EC, the appropriate code according to the European Waste Catalogue (EWC) should be used.

SECTION 14: Transport information

Hazard pictograms

14.1. UN number

UN3334

14.2. UN proper shipping name

AVIATION REGULATED LIQUID, N.O.S.

14.3. Transport hazard class(es)

ADR/RID	9
Subsidiary risk	-
IMDG	9
Subsidiary risk	-
IATA	9

C95 Cyanoacrylate

Revision 3

Revision date 2015-06-16

14.3. Transport hazard class(es)

Subsidiary risk IMDG	- 9
Subsidiary risk IATA	- 9
Subsidiary risk	-

14.4. Packing group

Packing group	-
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14.5. Environmental hazards

Environmental hazards	No
Marine pollutant	No

ADR/RID

Hazard ID	-
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IMDG

EmS Code	-
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IATA

Packing Instruction (Cargo)	964
Maximum quantity	220 L
Packing Instruction (Passenger)	964
Maximum quantity	100 L

SECTION 15: Regulatory information

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

	COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.
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15.2. Chemical safety assessment

	EUH202 - Cyanoacrylate. Danger. Bonds skin and eyes in seconds. Keep out of the reach of children.
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SECTION 16: Other information

Other information

	The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.
Revision	This document differs from the previous version in the following areas: 2 - 2.1.2. Classification - EC 1272/2008.
Text of risk phrases in Section 3	R22 - Harmful if swallowed. R36/37/38 - Irritating to eyes, respiratory system and skin. R40 - Limited evidence of a carcinogenic effect. R41 - Risk of serious damage to eyes. R43 - May cause sensitisation by skin contact. R50 - Very toxic to aquatic organisms. R68 - Possible risk of irreversible effects.

C95 Cyanoacrylate

Revision 3

Revision date 2015-06-16

Other information**Text of Hazard Statements in Section 3**

Skin Irrit. 2: H315 - Causes skin irritation.
Eye Irrit. 2: H319 - Causes serious eye irritation.
STOT SE 3: H335 - May cause respiratory irritation.

Maximum content of VOC

20 g/l.