

SAFETY DATA SHEET

according to Regulation (EU) 2015/830

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Holdtite CA41

Revision 0

Revision date 2017-09-12

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

1.1. Product identifier

Product name	Holdtite CA41
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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;
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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	Skin Irrit. 2: H315; Eye Irrit. 2: H319; STOT SE 3: H335;

2.2. Label elements

Hazard pictograms	
Signal Word	Warning
Hazard Statement	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. P271 - Use only outdoors or in a well-ventilated area.

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2.2. Label elements

Precautionary Statement: Response	<p>P280 - Wear protective gloves/protective clothing/eye protection/face protection.</p> <p>P302+P352 - IF ON SKIN: Wash with plenty of water/ .</p> <p>P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.</p> <p>P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P312 - Call a POISON CENTER/doctor/ /if you feel unwell.</p> <p>P321 - Specific treatment (see on this label).</p> <p>P332+P313 - If skin irritation occurs: Get medical advice/attention.</p> <p>P337+P313 - If eye irritation persists: Get medical advice/attention.</p>
Precautionary Statement: Storage	<p>P403+P233 - Store in a well-ventilated place. Keep container tightly closed.</p> <p>P405 - Store locked up.</p>
Precautionary Statement: Disposal	<p>P501 - Dispose of contents/container to</p>

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	90 - 100%	Xi; R36/37/38	
1,4-Dihydroxybenzene (Hydroquinone)	604-005-00-4	123-31-9	204-617-8		0 - 0.5%	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	90 - 100%	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 if irritation or symptoms persist.
Eye contact	If the eye is bonded closed, release eyelashes with warm water by covering with wet pad. Cyanoacrylate will bond to eye protein and will cause periods of weeping which will help to debond the adhesive. Keep eye covered until debonding is complete, usually within 1 - 3 days. Do not force the eye open. Medical advice should be sought in case solid particles of cyanoacrylate trapped behind the eyelid cause any abrasive damage.
Skin contact	Do not pull bonded skin apart. It may be gently peeled apart using a blunt object such as a spoon, preferably after soaking in warm soapy water. Cyanoacrylates give off heat on solidification. In rare cases a large drop will generate enough heat to cause a burn. Burns should be treated normally after the adhesive has been removed from the skin. If lips are accidentally stuck together apply warm water to the lips and encourage maximum wetting and pressure from saliva inside the mouth. Peel or roll the lips apart. Do not try to pull the lips apart with direct opposing action.
Ingestion	Ensure that breathing passages are not obstructed. The product will polymerise immediately in the mouth making it almost impossible to swallow. Saliva will slowly separate the solidified product from the mouth (several hours).

SECTION 5: Firefighting measures

5.1. Extinguishing media

	Non flammable product (flash point is greater than 80 Deg C). If product is involved in fire extinguish with dry powder, foam or carbon dioxide. Trace amounts of toxic fumes may be released on incineration and the use of breathing apparatus is recommended.
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SECTION 6: Accidental release measures

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6.3. Methods and material for containment and cleaning up

	Ventilate ares. Do not use cloths for mopping up. Polymerise with water and scrape off the floor.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

	Keep container tightly closed and in a well-ventilated place.
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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

8.2.2. Individual protection measures	 
	Wear suitable gloves and eye/face protection.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

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9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Clear
Odour	Strong
Flash point	80 °C
Autoignition temperature	450 °C
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Upper Explosive Limit	No data available
Lower Explosive Limit	No data available
Odour threshold	No data available
Melting point	No data available
Freezing Point	No data available
Vapour density	No data available
Water solubility	No data available
Fat Solubility	No data available
Partition coefficient	No data available
Explosive properties	No data available
Oxidising properties	No data available
Initial boiling point	> 149 °C
Vapour pressure	< 70000 Pa
Relative density	< 20 (H ₂ O = 1 @ 20 °C)
Viscosity	= 120 mPas (Cone & Plate)
Solubility	No data available

9.2. Other information

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

SECTION 10: Stability and reactivity

10.1. Reactivity

	Keep away from. Water.
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SECTION 11: Toxicological information

11.1.4. Toxicological Information

Ethyl-2-cyanoacrylate	Oral Rat LD50: >5ml/kg	
Holdtite CA41	Oral Rat LD50: >5000mg/kg	Dermal Rabbit LD50: >2000mg/kg

SECTION 12: Ecological information

12.3. Bioaccumulative potential

Partition coefficient

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Partition coefficient

Holdtite CA41 No data available

SECTION 13: Disposal considerations

General information

Local and national regulations. The product is classified as non hazardous. This material and its container must be disposed of in a safe way. Polymerise by adding slowly to water (10:1). Dispose of as water insoluble non toxic chemical in authorised landfill or incinerate under controlled conditions.

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
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

SECTION 16: Other information

Other information

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.

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SECTION 16: Other information**Other information**

Text of risk phrases in Section 3	<p>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.</p> <p>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.</p>
Text of Hazard Statements in Section 3	<p>Skin Irrit. 2: H315 - Causes skin irritation. Eye Irrit. 2: H319 - Causes serious eye irritation. STOT SE 3: H335 - May cause respiratory irritation.</p>
Maximum content of VOC	20 g/l.