

# **CHEMENCE CS1500 Cyanoacrylate adhesive**

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Reference number: 01-005-537

Issue date: 28/07/2011 Revision date: 22/04/2022 Supersedes version of: 15/06/2021 Version: 8.1

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

#### 1.1. Product identifier

Product form : Mixture

CS1500 Cyanoacrylate adhesive Product name

HEI U3SJ-045F-E6D6-31C7

Product code CS1500 adhesives Type of product Product group Trade product

## 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 : Cyanoacrylate adhesive 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

## Manufacturer

#### **Chemence Ltd**

13 Princewood Road,

Corby,

Northamptonshire NN17 4XD

United Kingdom

Tel: +44 (0)1536 402600 Faxl: +44 (0)1536 400266

email:technical@chemence.com

## 1.4. Emergency telephone number

: +44 (0)1536 402600 (Monday - Friday 8:00 to 17:30) **Emergency number** 

UK Only - IN CASE OF TOXIC OR TRANSPORT EMERGENCY: National Chemical Emergency Centre: Telephone 01865 407333

Country	Organisation/Company	Address	Emergency number	Comment
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

Specific target organ toxicity - Single exposure, Category 3, Respiratory H335

tract irritation

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

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#### 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 ≥ 0.1% assessed in accordance with REACH Annex XIII

## **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	≥ 90	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335
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

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## **SECTION 4: First aid measures**

## 4.1. Description of first aid measures

First-aid measures general

First-aid measures after inhalation

: Do not pull bonded skin apart.

: 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

Symptoms/effects after inhalation Symptoms/effects after skin contact

Symptoms/effects after eye contact Symptoms/effects after ingestion

: Not expected to present a significant hazard under anticipated conditions of normal use.

: May cause shortness of breath, tightness of the chest, a sore throat and cough.

: skin irritation and erythema. Cyanoacrylates bond skin in seconds. In the case of large spills

on the skin, superficial burns may occur - treat accordingly.

: Causes eye irritation. redness, itching, tears. Cyanoacrylates bond eyelids in seconds.

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 Unsuitable extinguishing media : dry chemical powder, alcohol-resistant foam, carbon dioxide (CO<sub>2</sub>).

: 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.).

#### 5.3. Advice for firefighters

Precautionary measures fire

 Do not approach fire except upwind and only with proper skin and respiratory protection (supplied air only).

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.

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#### 6.1.1. For non-emergency personnel

Protective equipment : Gloves.

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.

## SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

## 8.1.1 National occupational exposure and biological limit values

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Ethyl 2-cyanoacrylate (7085-85-0)				
United Kingdom - Occupational Exposure Limits				
Local name	Ethyl cyanoacrylate			
WEL STEL (OEL STEL)	1.5 mg/m³			
WEL STEL (OEL STEL) [ppm]	0.3 ppm			
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE			
1,4-dihydroxybenzene; hydroquinone; quinol (123-31-9)				
United Kingdom - Occupational Exposure Limits				
Local name	Hydroquinone			
WEL TWA (OEL TWA) [1]	0.5 mg/m³			
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE			

#### 8.1.2. Recommended monitoring procedures

No additional information available

#### 8.1.3. Air contaminants formed

No additional information available

## 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					
Туре	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).

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Hand protection								
Туре	Material	Permeation	Thickness (mm)	Penetration	Standard			
Reusable gloves	Nitrile rubber (NBR), Fluoroelastomer (FKM), Viton® II	5 (> 240 minutes)	>0,35		EN 374-2			
Disposable gloves	Nitrile rubber (NBR)	2 (> 30 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

## **SECTION 9: Physical and chemical properties**

#### 9.1. Information on basic physical and chemical properties

Physical state : Liquid

Appearance : Clear, colourless liquid.

Colour : Colourless.
Odour : Acrid.

Odour threshold : No data available

pH : substance/mixture reacts with water

Relative evaporation rate (butylacetate=1) : No data available

Melting point : -31 °C

Freezing point : No data available Boiling point : 214  $^{\circ}$ C @ 100.3 kPa

Flash point : > 85 °C Auto-ignition temperature : 485 °C

Decomposition temperature : No data available Flammability (solid, gas) : Not flammable Vapour pressure : 21 Pa @20°C Relative vapour density at 20 °C : No data available

Relative density : 1.04

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 Pow) : 0.776 @ 22 °C & pH 6.3Viscosity, kinematic :  $\approx 1440 mm^2/s$  (calculated value)

Viscosity, dynamic : ≈ 1500 cP Anton Paar cone and plate, controlled stress rheometer

Explosive properties : Product is not explosive.

Oxidising properties : Not oxidising.

Explosive limits : No data available

#### 9.2. Other information

VOC content : < 3 g/l

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#### **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.

## 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 toxicological effects	11	.11	Informat	ion on	toxico	logical	effects
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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)

Etnyi	2-cya	anoacry	iate (70	J85-85-U)

LD50 oral rat	> 5 ml/ka
LD30 diai iai	- J IIII/KY

#### 1.4-dihydroxybenzene: hydroguinone: guinol (123-31-9)

1,4-uniyuroxybenzene, nyuroqumone, qumor (125-31-9)		
	LD50 dermal rabbit	> 2000 mg/kg bodyweight (OECD 402 method)
	Skin corrosion/irritation :	Causes skin irritation.
		pH: substance/mixture reacts with water

Serious eye damage/irritation : Causes serious eye irritation.

pH: substance/mixture reacts with water

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)	

CS1500 Cyanoacrylate adhesive	
Viscosity, kinematic	≈ 1440 mm²/s (calculated value)

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#### **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)
Ecology - water : Polymerises on exposure to water (moisture).

Hazardous to the aquatic environment, short-term : Not classified (Based on available data, the classification criteria are not met)

acute)

Hazardous to the aquatic environment, long-term : Not classified (Based on available data, the classification criteria are not met)

(chronic)

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

CS1500 Cyanoacrylate adhesive	
Persistence and degradability	Biodegradability in water: no data available.

## 12.3. Bioaccumulative potential

CS1500 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

CS1500 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. 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.

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.

## **SECTION 14: Transport information**

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

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ADR	IMDG	IATA	ADN	RID
NOT SUBJECT	NOT SUBJECT (Not subject to the provisions of IMDG but may be subject to provisions governing the transport of dangerous goods by other modes)		NOT SUBJECT	NOT SUBJECT TO RID
14.1. UN number				
UN 3334	UN 3334	UN 3334	UN 3334	UN 3334
14.2. UN proper shippin	g name			
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)
Transport document descr	iption			
UN 3334 Aviation regulated liquid, n.o.s. (Ethyl 2-cyanoacrylate), 9	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
14.3. Transport hazard o	class(es)			
9	9	9	9	9
Not applicable			Not applicable	Not applicable
14.4. Packing group				
Not applicable	Not applicable	III	Not applicable	Not applicable
14.5. Environmental haz	ards			
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	n 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

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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

## 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

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)	CS1500 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			
Section	Changed item	Change	Comments
	Revision date	Modified	
	Supersedes version of	Modified	
1.1	Product group	Added	

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Indication of changes			
Section	Changed item	Change	Comments
1.2	Use of the substance/mixture	Added	
1.2	Function or use category	Added	
5.3	Precautionary measures fire	Added	
6.1	Protective equipment	Added	
7.2	Storage area	Added	
9.1	Viscosity, kinematic	Modified	
9.1	Viscosity, dynamic	Modified	
9.1	рН	Modified	
9.1	Melting point	Added	
9.1	Boiling point	Modified	
9.1	Auto-ignition temperature	Added	
12.4	Ecology - soil	Added	
16	Data sources	Modified	
16	Abbreviations and acronyms	Added	

Abbreviations and acronyms:		
CAS-No.	Chemical Abstract Service number	
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	

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Abbreviations and acronyms:	
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.	
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	

Safety Data Sheet (SDS), EU

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Chemence Ltd. and/or its agents cannot accept any liability for the use of information contained in this data sheet or for the use, application or processing of the product described in this data sheet. Users should note the possibility of hazards occurring due to improper uses of the product.