CS1 500 ml

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
First edition: 4/10/2005 Last revision: 20/12/2022 Supersedes version of: 24/07/2020 Version: 8.1

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

1.1. Product identifier

Product form : Mixture

Name : CS1 500 ml

Product number : 04.3160.9999

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

1.2.1. Relevant identified uses

Main use category : Industrial use,Professional use

Use of the substance or preparation : CS1 is a liquid designed according to the latest technology for cleaning and protection of surfaces.

1.2.2. Uses advised against

No information available

1.3. Details of the supplier of the safety data sheet

PCS Innotec International NV
Schans 4
BE - 2480 Dessel
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F.: +32 (0) 14 32 60 12
hse@innotec.eu

Distributor:
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Unit 25 Glenmore Business Park,
Telford RD
UK - SP2 7GL Salisbury, Wiltshire
T.: +44 (0)1722411744
F.: +44 (0)1722411788
info@innotecworld.com

1.4. Emergency telephone number

24h/24h (Telephone advice: English, French, German, Dutch):
BIG : +32 (0) 14 58 45 45

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) no 1272/2008 (CLP)

Flam. Liq. 3	H226
Eye Irrit. 2	H319

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

Adverse physicochemical, human health and environmental effects

No information available

2.2. Label elements

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

Hazard pictograms (CLP) :

GHS02 GHS07

Signal word (CLP) : Warning

Hazard statements (CLP) : H226 - Flammable liquid and vapour.
H319 - Causes serious eye irritation.

Precautionary statements (CLP) : P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280 - Wear protective gloves, protective clothing, eye protection, face protection.
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.
P370+P378 - In case of fire: Use carbon dioxide (CO2), dry extinguishing powder, alcohol resistant foam, water spray to extinguish.
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.

2.3. Other hazards

Contains no PBT/vPvB substances ≥ 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)
Propan-2-ol	CAS number: 67-63-0 EINECS / ELINCS number: 200-661-7 EC Index-No.: 603-117-00-0 REACH-no: 01-2119457558-25	≤ 20	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336

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

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice : Get medical advice/attention if you feel unwell.

Inhalation : If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

Skin contact : Take off immediately all contaminated clothing. Rinse with plenty of water.

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

Ingestion : Call a POISON CENTER/doctor if you feel unwell. Rinse mouth. Do NOT induce vomiting.

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

Eyes contact : Causes serious eye irritation. Redness.

Ingestion : Diarrhoea. Headache. Abdominal pain. Lethargy. Vomiting.

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

No information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Alcohol resistant foam. Carbon dioxide.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Flammable liquid and vapour.

Explosion hazard : May form flammable/explosive vapour-air mixture.

5.3. Advice for firefighters

Firefighting instructions : Prevent fire fighting water from entering the environment. Use water spray or fog for cooling exposed containers.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Evacuate personnel to a safe area. Keep upwind.

6.1.1. For non-emergency personnel

Protective equipment : Refer to protective measures listed in sections 7 and 8.

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

6.2. Environmental precautions
Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up
Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. This product and its container must be disposed of in a safe way, and as per local legislation.

Other information : Ensure adequate ventilation.

6.4. Reference to other sections
Stable in handling and storage conditions as recommended in section 7. Concerning personal protective equipment to use, see section 8.
Concerning disposal elimination after cleaning: see section 13.

SECTION 7: Handling and storage
7.1. Precautions for safe handling
Precautions for safe handling : Do not eat, drink or smoke when using this product. Use personal protective equipment as required. Provide good ventilation in process area to prevent formation of vapour. Take precautionary measures against static discharge. Eliminate all ignition sources if safe to do so.

Hygiene measures : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities
Technical measures : Proper grounding procedures to avoid static electricity should be followed.

Storage conditions : Protect from sunlight. Store in a well-ventilated place. Keep in fireproof place. No smoking. Store in a dry place. Keep away from ignition sources.

Technical condition(s) : Store in a well-ventilated place. Impermeable underground / retention basin.

Special rules on packaging : Keep container tightly closed and dry. Keep only in original container. Keep out of frost.

7.3. Specific end use(s)
No information available

SECTION 8: Exposure controls/personal protection
8.1. Control parameters
8.1.1 National occupational exposure and biological limit values

Propan-2-ol (67-63-0)	
United Kingdom - Occupational Exposure Limits	
Local name	Propan-2-ol
WEL TWA (OEL TWA) [1]	999 mg/m³
WEL TWA (OEL TWA) [2]	400 ppm
WEL STEL (OEL STEL)	1250 mg/m³
WEL STEL (OEL STEL) [ppm]	500 ppm

8.1.2. Recommended monitoring procedures
No information available

8.1.3. Air contaminants formed
No information available

8.1.4. DNEL and PNEC
No information available

8.1.5. Control banding
No information available

8.2. Exposure controls
8.2.1. Appropriate engineering controls
Appropriate engineering controls:
Ensure good ventilation of the work station.

8.2.2. Personal protection equipment

Personal protective equipment symbol(s):

8.2.2.1. Eye and face protection

Eye protection:

In case of splash hazard: safety glasses

8.2.2.2. Skin protection

Skin protection:

Wear suitable protective clothing

Hand protection:

Where hand contact with the product may occur, the use of gloves (approved according to the EN374 standard) made from the following materials may provide suitable chemical protection: Nitrile rubber. For continuous contact we recommend gloves with breakthrough time of more than 240 minutes with preference for > 480 minutes. For short-term/splash protection we recommend the same, but recognise that suitable gloves offering this level of protection may not be available. In this case a lower breakthrough time may be acceptable as long as appropriate glove maintenance and replacement regimes are rigorously followed. Glove thickness is not a good predictor of glove resistance to a chemical as it is dependent on the exact composition of the glove material. Depending on model and material, glove thickness generally should be greater than 0,35 mm. Suitability and durability of a glove is dependent on usage (= frequency and duration of contact), chemical resistance of glove material, dexterity. Always seek advice from glove suppliers. . Contaminated gloves should be replaced. Personal hygiene is a key element of effective hand care. Gloves must only be worn on clean hands. After using gloves, hands should be washed and dried thoroughly.

8.2.2.3. Respiratory protection

Respiratory protection:

Wear appropriate breathing apparatus if air renewal not sufficient to maintain dust/vapour under TLV. Recommended: filter type ABEK

8.2.2.4. Thermal hazards

No information available

8.2.3. Environmental exposure controls

No information available

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Milky.
Odour	: Characteristic.
Odour threshold	: Not available
Melting point/melting range	: -15 °C
Freezing point	: Not available
Boiling point/range	: 82 – 300 °C
Flammability	: Not available
Explosive limits	: 2 – 12 vol %
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	: 27 °C
Auto-ignition temperature	: 370 °C
Decomposition temperature	: Not available
pH	: 7,5
Viscosity, kinematic	: 1 mm²/s (20 °C)
Viscosity, dynamic	: 1 mPa.s (20 °C)
Solubility	: Water: Insoluble
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: 4300 Pa (20 °C)
Vapour pressure at 20 °C	: Not available
Density	: Not available
Relative density (water = 1)	: 0,97 (20 °C)

Vapour density : Not available
Particle characteristics : Not applicable

9.2. Other information

9.2.1. Information with regard to physical hazard classes

Explosion limits : 2 – 12 vol %

9.2.2. Other safety characteristics

Evaporation rate : 1,3 (n-BuAc = 1)
V.O.C. (V.O.S.) : 193,03 g/l

SECTION 10: Stability and reactivity

10.1. Reactivity

Flammable liquid and vapour. In use, may form flammable/explosive vapour-air mixture.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No information available

10.4. Conditions to avoid

Extremely high or low temperatures. Direct sunlight.

10.5. Incompatible materials

acids. bases. Oxidizing agent. reductor agents.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

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

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

Propan-2-ol (67-63-0)	
LD50/oral/rat	≥ 5000 mg/kg
LD50/dermal/rabbit	≥ 5000 mg/kg
LC50/inhalation/4h/rat	≥ 50 mg/l

Skin corrosion/irritation : Not classified
pH: 7,5

Serious eye damage/irritation : Causes serious eye irritation.
pH: 7,5

Respiratory or skin sensitisation : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified
Reproductive toxicity : Not classified
STOT-single exposure : Not classified

Propan-2-ol (67-63-0)	
STOT-single exposure	May cause drowsiness or dizziness.

STOT-repeated exposure : Not classified
Aspiration hazard : Not classified

CS1 500 ml	
Viscosity, kinematic	1 mm²/s (20 °C)

11.2. Information on other hazards

No information available

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short–term (acute) : Not classified

Hazardous to the aquatic environment, long–term (chronic) : Not classified

Propan-2-ol (67-63-0)	
LC50/96h/fish	10000 mg/l
LC50 - Other aquatic organisms [1]	> 10000 mg/l (24h)

12.2. Persistence and degradability

CS1 500 ml	
Persistence and degradability	The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

12.3. Bioaccumulative potential

Propan-2-ol (67-63-0)	
Partition coefficient n-octanol/water (Log Pow)	0,05

12.4. Mobility in soil
No information available

12.5. Results of PBT and vPvB assessment
No information available

12.6. Endocrine disrupting properties
No information available

12.7. Other adverse effects
No information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods
Regional legislation (waste) : Disposal must be done according to official regulations.

European List of Waste (LoW) code : 07 06 00 - wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics
15 01 02 - plastic packaging

SECTION 14: Transport information
In accordance with ADR / IMDG / IATA

14.1. UN number or ID number
UN-No. (ADR) : UN 1987

UN-No. (IMDG) : UN 1987

UN-No. (IATA) : UN 1987

14.2. UN proper shipping name
Proper Shipping Name (ADR) : ALCOHOLS, N.O.S.

Proper Shipping Name (IMDG) : ALCOHOLS, N.O.S.

Proper Shipping Name (IATA) : Alcohols, n.o.s.

Transport document description (ADR) : UN 1987 ALCOHOLS, N.O.S. (ISOPROPANOL (ISOPROPYL ALCOHOL)), 3, III, (D/E)

Transport document description (IMDG) : UN 1987 ALCOHOLS, N.O.S. (ISOPROPANOL (ISOPROPYL ALCOHOL)), 3, III

Transport document description (IATA) : UN 1987 Alcohols, n.o.s. (ISOPROPANOL (ISOPROPYL ALCOHOL)), 3

14.3. Transport hazard class(es)
ADR

Transport hazard class(es) (ADR) : 3

Danger labels (ADR) : 3

:

IMDG

Transport hazard class(es) (IMDG) : 3

Danger labels (IMDG) : 3

:

IATA

Transport hazard class(es) (IATA) : 3

Danger labels (IATA) : 3

:

14.4. Packing group

Packing group (ADR) : III

Packing group (IMDG) : III

Packing group (IATA) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Further information : No supplementary information available

14.6. Special precautions for user

Overland transport

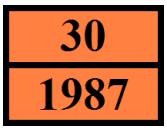
Classification code (ADR) : F1

Limited quantities (ADR) : 5l

Excepted quantities (ADR) : E1

Hazard identification number (Kemler No.) : 30

Orange plates :



Tunnel restriction code : D/E

Transport by sea

Limited quantities (IMDG) : 5 L

Excepted quantities (IMDG) : E1

EmS-No. (Fire) : F-E

EmS-No. (Spillage) : S-D

Air transport

No data available

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

Ingredients according to the Regulation (EC) 648/2004 on detergents : < 5% aliphatic hydrocarbons, < 5% non-ionic surfactants

REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)
Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)
Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (1005/2009)
Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

VOC Directive (2004/42)

V.O.C. (V.O.S.) : 193,03 g/l

Explosives Precursors Regulation (2019/1148)
Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (273/2004)
Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 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 information available

15.2. Chemical safety assessment
No chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes

Section	Changed item	Change	Comments
	Last revision		
	Supersedes		
2.3			
8.1			
8.2			
9.1			
9.2			
11.2.			
12.6			
12.7			
15			
16			

Abbreviations and acronyms:	
	ACGIH = American Conference of Governmental Industrial Hygienists
	ADR = Accord européen sur le transport des marchandises dangereuses par Route
	CAS = Chemical Abstracts Service
	ATE = Acute Toxicity Estimate
	CLP = Classification, labelling and packaging
	CSR = Chemical Safety Report
	DMEL = Derived Minimal Effect Level
	DNEL = Derived No-Effect Level
	DPD = Dangerous Preparation Directive
	DSD = Dangerous Substance Directive

Abbreviations and acronyms:	
	EINECS/ELINCS = European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances.
	GHS = Globally Harmonized System of Classification and Labelling of Chemicals
	HTP = Haitallisiksi tunnetut pitoisuudet
	IATA = International Air Transport Association
	ICAO = International Civil Aviation Organization
	IMDG = International Maritime Code for Dangerous Goods
	IOELV = Indicative Occupational Exposure Limit Value (EU)
	LC50 = Lethal concentration, 50 percent
	LD50 = Lethal dose, 50 percent
	LEL = Lower Explosion Limit
	MAK = Maximale Arbeitsplatzkonzentrationen
	MAL-kode = Måleteknisk Arbejdshygiejnisk Luftbehov
	N.O.S. = Not Otherwise Specified
	NDS = Najwyższe Dopuszczalne Stężenie
	NDSCh = Najwyższe Dopuszczalne Stężenie Chwilowe
	OEL = Occupational Exposure Limits
	PBT = Persistent, bioaccumulative and toxic
	PNEC = Predicted No-Effect Concentration
	REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals
	RID = Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail).
	STEL = Short term exposure limit
	STOT RE = specific target organ toxicity repeated exposure
	STOT SE = specific target organ toxicity single exposure
	SVHC = Substance of Very High Concern
	TLV = Threshold Limit Value
	TRGS = Technischen Regeln für Gefahrstoffe
	TWA = time weighted average
	UEL = Upper Explosion Limit
	VLA-EC = valores límite ambientales para la exposición de corta duración
	VLE = Valeur Limite d'exposition
	VLA-ED = valores límite ambientales para la exposición diaria
	VME = Valeur Limite de Moyenne d'exposition
	VOC = Volatile Organic Compounds
	vPvB = very Persistent and very Bioaccumulative
	WGK = Wassergefährdungsklasse

Full text of H- and EUH-statements:	
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H319	Causes serious eye irritation.

Full text of H- and EUH-statements:	
H336	May cause drowsiness or dizziness.
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Narcosis

Disclaimer with regard to REACH:
The information provided in this Safety Data Sheet is consistent with the information in the Chemical Safety Report, as far as this information was available at the time of compilation (see last revision date).

Disclaimer:
The information of this Safety Data Sheet is based on the present state of our knowledge and on current EC and national laws, as the users' working conditions are beyond our knowledge and control. The user is always responsible for ensuring that the requirements of relevant legislation are complied with. The information contained in this Safety Data Sheet provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications. The information provided relates only to the specific product designated and may not be valid for such product used in combination with any other product. The product must not be used for any purposes other than those specified without first obtaining written handling instructions.