

SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

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Chemsan

Revision 0

Revision date 2019-09-27

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

1.1. Product identifier

Product name Chemsan

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

Product Use [SU22] Professional uses: Public domain (administration, education, entertainment, services, craftsmen); [PC35] Washing and cleaning products (including solvent based products); [PROC19] Hand-mixing with intimate contact and only PPE available; [ERC8a] Wide dispersive indoor use of processing aids in open systems;

1.3. Details of the supplier of the safety data sheet

Company Chemisphere UK Ltd
Address Unit 4
No 3 Richmond Road
Trafford Park
Manchester
M17 1RE
UK
Web www.chemisphereuk.co.uk
Telephone 0044 161 874 7200
Fax 0044 161 874 7201
Email contactus@chemisphereuk.co.uk
Email address of the competent person wilfw@chemisphereuk.co.uk

1.4. Emergency telephone number


Emergency telephone number 0044 776 724 8499
Company Chemisphere UK Ltd
Monday - Friday 08:00 - 17:00

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

2.1.1. Classification - 1999/45/EC
Xi; R36/38
Symbols: Xi: Irritant.
Main hazards Irritating to eyes and skin.
2.1.2. Classification - EC 1272/2008
Skin Corr. 1A: H314;

2.2. Label elements

Hazard pictograms

Signal Word Danger

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2.2. Label elements

Hazard Statement	Skin Corr. 1A: H314 - Causes severe skin burns and eye damage.
Precautionary Statement: Prevention	Keep out of the reach of children. P260 - Do not breathe dust/fume/gas/mist/vapours/spray. P264 - Wash thoroughly after handling. P280 - Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary Statement: Response	P101 - If medical advice is needed, have product container or label at hand. P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting. P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. 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. P310 - Immediately call a POISON CENTER/doctor/ . P313 - Get medical advice/attention. P321 - Specific treatment (see on this label). P332+P313 - If skin irritation occurs: Get medical advice/attention. P363 - Wash contaminated clothing before reuse.
Precautionary Statement: Storage	P404 - Store in a closed container. P405 - Store locked up.
Precautionary Statement: Disposal	P501 - Dispose of contents/container to local and national regulations

2.3. Other hazards

Other hazards	This product is not identified as a PBT 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.
Phosphoric acid ... %	015-011-00-6	7664-38-2	231-633-2		20 - 30%	C; R34	
Benzenesulfonic acid, dodecyl-, sodium salt		25155-30-0	246-680-4		10 - 20%		
Isopropanol	603-117-00-0	67-63-0	200-661-7		1 - 10%	F; R11 Xi; R36 R67	

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
Phosphoric acid ... %	015-011-00-6	7664-38-2	231-633-2		20 - 30%	Skin Corr. 1B: H314;	
Benzenesulfonic acid, dodecyl-, sodium salt		25155-30-0	246-680-4		10 - 20%	Skin Irrit. 2: H315; Eye Dam. 1: H318; Aquatic Chronic 3: H412;	
Isopropanol	603-117-00-0	67-63-0	200-661-7		1 - 10%	Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336;	

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Move the exposed person to fresh air. Keep the affected person warm and at rest. Seek medical attention if irritation or symptoms persist.
Eye contact	Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Remove contact lenses, if present and easy to do. Continue rinsing. Transfer to hospital for specialist examination.
Skin contact	Remove contaminated clothing. Wash off immediately with plenty of soap and water. Seek medical attention if irritation or symptoms persist. Sensitization.
Ingestion	DO NOT INDUCE VOMITING. Drink 1 to 2 glasses of water. If unconscious and breathing is OK, place in the recovery position. If unconscious, check for breathing and apply artificial respiration if necessary. Transfer to hospital as soon as possible.

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

Inhalation	May cause irritation to respiratory system.
Eye contact	Risk of serious damage to eyes.
Skin contact	Causes severe burns.
Ingestion	Ingestion causes burns to the respiratory tract.

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

	Treat according to symptoms.
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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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5.2. Special hazards arising from the substance or mixture

	Burning produces irritating, toxic and obnoxious fumes.
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5.3. Advice for firefighters

	Wear suitable respiratory equipment when necessary.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

	Wear suitable gloves and eye/face protection. Evacuate the area immediately.
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6.2. Environmental precautions

	For large spills: Do not allow product to enter drains. For small spills: Flush down the drain with plenty of water.
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6.3. Methods and material for containment and cleaning up

	Absorb with inert, absorbent material. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.
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6.4. Reference to other sections

	For personal protection see Section 8.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

	Avoid contact with eyes and skin. Wear suitable protective clothing and eye/face protection. Adopt best Manual Handling considerations when handling, carrying and dispensing. Handle and open container with care. Ensure adequate ventilation of the working area.
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7.2. Conditions for safe storage, including any incompatibilities

	Keep locked up and out of the reach of children. Avoid contact with: Direct sunlight. Avoid contact with: Acids. Keep container tightly closed in a cool place. Keep only in the original container.
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7.3. Specific end use(s)

	Cleaning of brewing equipment.
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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Exposure Limit Values

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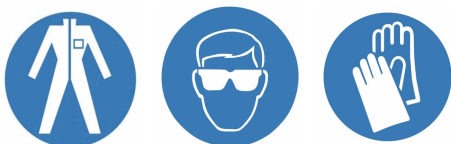
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8.1.1. Exposure Limit Values

Isopropanol	WEL 8-hr limit ppm: 400	WEL 8-hr limit mg/m3: 999
	WEL 15 min limit ppm: 500	WEL 15 min limit mg/m3: 1250
	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:
Phosphoric acid ... %	WEL 8-hr limit ppm: -	WEL 8-hr limit mg/m3: 1
	WEL 15 min limit ppm: -	WEL 15 min limit mg/m3: 2
	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

8.2.1. Appropriate engineering controls 8.2.2. Individual protection measures		
	Ensure adequate ventilation of the working area.	
	Wear suitable gloves and eye/face protection.	

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Off white
Odour	Alcoholic
Odour threshold	No data available
pH	1
Melting point	No data available
Freezing Point	No data available
Initial boiling point	No data available
Evaporation rate	No data available
Flammability (solid, gas)	Not applicable.
Vapour pressure	No data available
Vapour density	No data available
Relative density	No data available
Fat Solubility	No data available
Autoignition temperature	No data available
Viscosity	No data available
Oxidising properties	Not applicable.
Partition coefficient	No data available
Explosive properties	No data available
Solubility	Soluble in water

9.2. Other information

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9.2. Other information

Conductivity	No data available
Surface tension	No data available
Gas group	Not applicable.
Benzene Content	Not applicable.
Lead content	Not applicable.
VOC (Volatile organic compounds)	Not applicable.

SECTION 10: Stability and reactivity

10.1. Reactivity

	Stable under normal conditions.
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10.2. Chemical stability

	Stable under normal conditions.
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10.3. Possibility of hazardous reactions

	Avoid contact with: Alkalis.
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10.4. Conditions to avoid

	Direct sunlight. Heat.
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10.5. Incompatible materials

	Alkalis.
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10.6. Hazardous decomposition products

	Burning produces irritating, toxic and obnoxious fumes.
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	Harmful if swallowed.
Skin corrosion/irritation	Causes severe burns.
Serious eye damage/irritation	Causes serious eye damage.
Respiratory or skin sensitisation	No data is available on this product.
Germ cell mutagenicity	No data is available on this product.
Carcinogenicity	No carcinogenic effects reported.
Reproductive toxicity	No data is available on this product.
STOT-single exposure	No data available.
STOT-repeated exposure	No data available.
Aspiration hazard	No data available.
Repeated or prolonged exposure	No data is available on this product.

11.1.4. Toxicological Information

	No data available
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SECTION 12: Ecological information

12.1. Toxicity

	No data available
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12.2. Persistence and degradability

	Readily biodegradable.
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12.3. Bioaccumulative potential

Partition coefficient

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Partition coefficient

Chemsan No data available

Phosphoric acid ... % No data available

12.4. Mobility in soil

Miscible in water.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Other adverse effects

Harmful to aquatic organisms.

Further information

Toxic to aquatic organisms. Toxic to fauna.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Dispose of in compliance with all local and national regulations.

General information

Dispose of contents/container to. local and national regulations.

Disposal methods

Do not empty into drains; dispose of this material and its container in a safe way.

Disposal of packaging

Empty containers can be cleaned with water. Empty containers can be sent for disposal or recycling.

Further information

Disposal together with normal waste is not allowed.

SECTION 14: Transport information

Hazard pictograms



14.1. UN number

UN1805

14.2. UN proper shipping name

PHOSPHORIC ACID, SOLUTION

14.3. Transport hazard class(es)

ADR/RID	8
Subsidiary risk	-
IMDG	8
Subsidiary risk	-
IATA	8
Subsidiary risk	-

14.4. Packing group

Packing group III

14.5. Environmental hazards

Environmental hazards	No
Marine pollutant	No

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14.6. Special precautions for user

Warning! Corrosive substance.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable.

ADR/RID

Hazard ID 80

Tunnel Category (E)

IMDG

EmS Code F-A S-B

IATA

Packing Instruction (Cargo) 856

Maximum quantity 60 L

Packing Instruction
(Passenger) 852

Maximum quantity 5 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.

15.2. Chemical safety assessment

Caution - substance not yet fully tested.

SECTION 16: Other information

Other information

Text of risk phrases in Section 3

R11 - Highly flammable.
R34 - Causes burns.
R36 - Irritating to eyes.
R67 - Vapours may cause drowsiness and dizziness.

Text of Hazard Statements in Section 3

Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Eye Dam. 1: H318 - Causes serious eye damage.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Flam. Liq. 2: H225 - Highly flammable liquid and vapour.
Eye Irrit. 2: H319 - Causes serious eye irritation.
STOT SE 3: H336 - May cause drowsiness or dizziness.

Further 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.