
SAFETY DATA SHEET

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

1.1 Product identifier

- Product Name: Chemsan
- Product Part Number: C-CHEMSAN
- UFI: TSR9-8M74-07AX-MM17

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

- Use of the substance/mixture: Brewing equipment cleaner
- Use advised against: Use only for the recommended application.

1.3 Details of the supplier of the safety data sheet

- Name of Supplier: Chemisphere UK Ltd
- Address of Supplier: Unit 7-8 Severnside Trading Estate
Textilose Raod, Trafford Park
Manchester
M17 1WA
- Telephone: +44 (0) 161 874 7200
- Responsible Person: Wilfred Worsley
- Email: safetydata@chemisphereuk.co.uk

1.4 Emergency telephone number

- Emergency Telephone: +44 (0) 776 724 8499

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

- CLP: Skin Irrit. 2, Eye Dam. 1, Skin Corr. 1B

2.2 Label elements



- Signal Word: Danger

Hazard statements

H314 - Causes severe skin burns and eye damage.

Precautionary statements

- P102 - Keep out of reach of children.
- P405 - Store locked up.
- P280 - Wear protective gloves/protective clothing/eye protection/face protection.
- P260 - Do not breathe dust/fume/gas/mist/vapours/spray.
- P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P315 - Get immediate medical advice/attention.
- P301+P330+P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

SECTION 2: Hazards identification (....)

P313 - Get medical advice/attention.
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P314 - Get medical advice/attention if you feel unwell.
P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P332+P313 - If skin irritation occurs: Get medical advice/attention.
P101 - If medical advice is needed, have product container or label at hand.
Contains: Phosphoric acid

Supplemental Hazard information (EU)

None

2.3 Hazards identification

- Not a PBT according to REACH Annex XIII

SECTION 3: Composition/information on ingredients**3.2 Mixtures****Phosphoric acid ... %, orthophosphoric acid ... %**

CAS Number: 7664-38-2
EC Number: 231-633-2
Concentration: 20 - 40%
Categories: Skin Corr. 1B
M factor:
Specific Concentration Limits: Skin Corr. 1B; H314; C \geq 25 %
Skin Irrit. 2; H315: 10 % \leq C < 25 %
Eye Irrit. 2; H319: 10 % \leq C < 25 %
Acute toxicity estimate:
Symbols: GHS05
H Statements: H314
REACH Registration Number: 01-2119492545-29

Sodium dodecylbenzenesulphonate

CAS Number: 25155-30-0
EC Number: 246-680-4
Concentration: 5 - 25%
Categories: Skin Irrit. 2; Eye Dam. 1; Aquatic Chronic 3
M factor:
Specific Concentration Limits: None assigned
Acute toxicity estimate:
Symbols: GHS05
H Statements: H315,H318,H412

Propan-2-ol; isopropyl alcohol; isopropanol

SECTION 3: Composition/information on ingredients (....)

CAS Number:	67-63-0
EC Number:	200-661-7
Concentration:	1 - 20%
Categories:	Flam. Liq. 2; Eye Irrit. 2; STOT SE 3
M factor:	
Specific Concentration Limits:	None assigned
Acute toxicity estimate:	
Symbols:	GHS02,GHS07
H Statements:	H225,H336,H319
REACH Registration Number:	01-2119492545-29

SECTION 4: First aid measures**4.1 Description of first aid measures**

- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
- IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

4.2 Most important symptoms and effects, both acute and delayed**Contact with eyes**

Risk of serious damage to eyes
May cause permanent damage if eye is not immediately irrigated.
Causes severe burns

Ingestion

Causes damage to the digestive tract if swallowed
Causes severe burns

Inhalation

Can cause damage to the respiratory system
Corrosive to the respiratory tract.

Contact with skin

Corrosive to skin
Causes severe burns

4.3 Indication of any immediate medical attention and special treatment needed

- If medical advice is needed, have product container or label at hand.

SECTION 5: Firefighting measures**5.1 Extinguishing media**

- Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions

5.2 Special hazards arising from the substance or mixture

- May give off noxious and toxic fumes in a fire

5.3 Advice for firefighters

SECTION 5: Firefighting measures (....)

- Wear chemical protection suit and breathing apparatus
- Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

- Wear protective clothing as per section 8
- Avoid contact with skin and eyes
- Avoid breathing dust/fume/gas/mist/vapours/spray.

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.

6.3 Methods and material for containment and cleaning up

- Absorb spillage in inert material and shovel up

6.4 Reference to other sections

- Wear protective clothing as per section 8

SECTION 7: Handling and storage**7.1 Precautions for safe handling**

- Wear protective gloves/protective clothing/eye protection/face protection.
- Avoid contact with skin and eyes
- Do not breathe vapour/fumes
- Do not mix with any other products
- Proper chemicals handling procedures should be adopted
- Handle and open container with care
- Ensure adequate ventilation
- Eyewash bottles should be available
- Do not wear contact lenses when working with this material

7.2 Conditions for safe storage, including any incompatibilities

- Keep locked up and out of reach of children
- Keep only in the original container in a cool, well ventilated place
- Protect from sunlight.
- Incompatible with alkalis (strong bases)

7.3 Specific end use(s)

- Cleaning of brewing equipment

SECTION 8: Exposure controls/personal protection**8.1 Control parameters****Phosphoric acid ... %, orthophosphoric acid ... %**

DNEL (Industry; inhalational, long term local effects): 2.92 mg/m³

DNEL (Consumer; inhalational, long term systemic effects): 0.73 mg/m³

DNEL (Industry; inhalational, long term systemic effects): 1 mg/m³

DNEL (Consumer; inhalational, short term local effects): 2 mg/m³

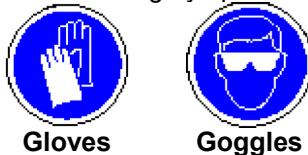
Propan-2-ol; isopropyl alcohol; isopropanol

SECTION 8: Exposure controls/personal protection (....)

DNEL (Industry; dermal, long term systemic effects): 888 mg/kg/day
DNEL (Industry; inhalational, long term systemic effects): 500 mg/m³
DNEL (Consumer; dermal, long term systemic effects): 319 mg/kg/day
DNEL (Consumer; inhalational, long term systemic effects): 89 mg/m³
DNEL (oral): 26 mg/kg/day

8.2 Exposure controls

- Wear protective gloves/protective clothing/eye protection/face protection.



SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Appearance: Liquid, yellow, cloudy
- Odour: Odourless
- pH: <2
- Density: 1.25 g/cm³ at 20 °C
- Conductivity: Not available
- Solubility in water: Soluble in water
- Flammability: Not flammable
- Physical state: liquid
- Flashpoint: >93°C
- Melting point - not applicable
- Viscosity - not known
- Evaporation rate - not known

9.2 Other information

- No information available

SECTION 10: Stability and reactivity

10.1 Reactivity

- Reacts with alkalis (strong bases)
- Reacts with strong oxidizing substances

10.2 Chemical stability

- Considered stable under normal conditions

10.3 Possibility of hazardous reactions

- No hazardous reactions known if used for its intended purpose

10.4 Conditions to avoid

- Keep away from heat, light and moisture

10.5 Incompatible materials

- Avoid contact with alkalis (strong bases)
- Avoid contact with oxidising substances
- Avoid contact with aluminium

SECTION 10: Stability and reactivity (....)**10.6 Hazardous decomposition products**

- No hazardous decomposition products known

SECTION 11: Toxicological information**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute toxicity****Phosphoric acid ... %, orthophosphoric acid ... %**

LD₅₀ (oral, rat): 301 mg/kg

LD₅₀ (dermal, rabbit): 2750 mg/kg

Propan-2-ol; isopropyl alcohol; isopropanol

LD₅₀ (oral) : > 5000 mg/kg

LD₅₀ (dermal, rabbit): > 5000 mg/kg

LC₅₀ (inhalation, rat): > 10000 ppm

Sodium dodecylbenzenesulphonate

LD₅₀ (oral, rat): 2000 - 5000 mg/kg

LD₅₀ (dermal) : > 2000 mg/kg

Skin corrosion/irritation

Causes severe burns

Serious eye damage/irritation

Causes serious eye damage.

Respiratory or skin sensitisation

Not available

Germ cell mutagenicity

Not available

Carcinogenicity

Not available

Reproductive toxicity

Not available

STOT (specific target organ toxicity) - single exposure

Not available

STOT (specific target organ toxicity) - repeated exposure

Not available

Aspiration hazard

Not applicable

11.2 Information on other hazards

- No information available

SECTION 12: Ecological information**12.1 Toxicity****Phosphoric acid ... %, orthophosphoric acid ... %**

IC₅₀ (algae): 1000 mg/l (72 hr)
EC₅₀ (daphnia): 301>100 mg/l (48 hr)
LC₅₀ (fish): 3.25 mg/l (96 hr)
EC₅₀ (daphnia): >100 mg/l (48 hr)
LC₅₀ (fish): 3.25 mg/l (96 hr)

Propan-2-ol; isopropyl alcohol; isopropanol

EC₅₀ (daphnia): >100 mg/l (48 hr)
LC₅₀ (fish): 4200 mg/l (96 hr)
EC₅₀ (daphnia): >100 mg/l (48 hr)
LC₅₀ (fish): 4200 mg/l (96 hr)

Sodium dodecylbenzenesulphonate

IC₅₀ (algae): 10 -100 mg/l (72 hr)
EC₅₀ (daphnia): 1-10 mg/l (48 hr)
LC₅₀ (fish): 1-10 mg/l (96 hr)

12.2 Persistence and degradability

- No information available

12.3 Bioaccumulative potential

- No information available

12.4 Mobility in soil

- Soluble in water

12.5 Results of PBT and vPvB assessment

- Not a PBT according to REACH Annex XIII

12.6 Endocrine disrupting properties

- None known

12.7 Other adverse effects

- No information available

SECTION 13: Disposal considerations**13.1 Waste treatment methods**

- Disposal should be in accordance with local, state or national legislation

SECTION 14: Transport information

SECTION 14: Transport information (....)**14.1 UN number or ID number**

- UN No.: 3264

14.2 UN proper shipping name

- Proper Shipping Name: CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (CONTAINS PHOSPHORIC ACID ... %, ORTHOPHOSPHORIC ACID ... %)

14.3 Transport hazard class(es)

- Hazard Class: 8

14.4 Packing group

- Packing Group: II

14.5 Environmental hazards

- None assigned

14.6 Special precautions for user

- ADR Classification Code: C1
- Tunnel Restriction Code: 2 (E)
- Tunnel Tank Restriction Codes: L4BN

14.7 Emergency Action Code

- 2X

14.8 Sea (IMDG)

- 1. Acids

14.9 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**

- This Safety Data Sheet is provided in compliance with the EC Regulations 1907/2006, 1272/2008, 2015/830 and 2020/878

15.2 Chemical safety assessment

- A chemical safety assessment (CSA) for this product has not yet been completed

SECTION 16: Other information

Text not given with phrase codes where they are used elsewhere in this safety data sheet:-
H225: Highly flammable liquid and vapour. H314: Causes severe skin burns and eye damage. H315: Causes skin irritation. H318: Causes serious eye damage. H319: Causes serious eye irritation. H336: May cause drowsiness or dizziness. H412: Harmful to aquatic life with long lasting effects.

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

SECTION 16: Other information (....)

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.**

--- end of safety datasheet ---