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## SAFETY DATA SHEET

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### 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

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### 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



GHS05

- 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**

**GHS05**

- 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**

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**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

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**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.
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**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**

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**SECTION 5: Firefighting measures (....)**

- Wear chemical protection suit and breathing apparatus
  - Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions
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**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
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**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
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**SECTION 8: Exposure controls/personal protection****8.1 Control parameters****Phosphoric acid ... %, orthophosphoric acid ... %**

DNEL (Industry; inhalational, long term local effects): 2.92 mg/m<sup>3</sup>  
DNEL (Consumer; inhalational, long term systemic effects): 0.73 mg/m<sup>3</sup>  
DNEL (Industry; inhalational, long term systemic effects): 1 mg/m<sup>3</sup>  
DNEL (Consumer; inhalational, short term local effects): 2 mg/m<sup>3</sup>

**Propan-2-ol; isopropyl alcohol; isopropanol**

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**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/m<sup>3</sup>  
DNEL (Consumer; dermal, long term systemic effects): 319 mg/kg/day  
DNEL (Consumer; inhalational, long term systemic effects): 89 mg/m<sup>3</sup>  
DNEL (oral): 26 mg/kg/day

**8.2 Exposure controls**

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

**Gloves****Goggles**

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**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/cm<sup>3</sup> 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

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**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

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

- No hazardous decomposition products known
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**SECTION 11: Toxicological information****11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute toxicity****Phosphoric acid ... %, orthophosphoric acid ... %**LD<sub>50</sub> (oral, rat): 301 mg/kgLD<sub>50</sub> (dermal, rabbit): 2750 mg/kg**Propan-2-ol; isopropyl alcohol; isopropanol**LD<sub>50</sub> (oral) : > 5000 mg/kgLD<sub>50</sub> (dermal, rabbit): > 5000 mg/kgLC<sub>50</sub> (inhalation, rat): > 10000 ppm**Sodium dodecylbenzenesulphonate**LD<sub>50</sub> (oral, rat): 2000 - 5000 mg/kgLD<sub>50</sub> (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

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

IC<sub>50</sub> (algae): 1000 mg/l (72 hr)  
EC<sub>50</sub> (daphnia): 301>100 mg/l (48 hr)  
LC<sub>50</sub> (fish): 3.25 mg/l (96 hr)  
EC<sub>50</sub> (daphnia): >100 mg/l (48 hr)  
LC<sub>50</sub> (fish): 3.25 mg/l (96 hr)

**Propan-2-ol; isopropyl alcohol; isopropanol**

EC<sub>50</sub> (daphnia): >100 mg/l (48 hr)  
LC<sub>50</sub> (fish): 4200 mg/l (96 hr)  
EC<sub>50</sub> (daphnia): >100 mg/l (48 hr)  
LC<sub>50</sub> (fish): 4200 mg/l (96 hr)

**Sodium dodecylbenzenesulphonate**

IC<sub>50</sub> (algae): 10 -100 mg/l (72 hr)  
EC<sub>50</sub> (daphnia): 1-10 mg/l (48 hr)  
LC<sub>50</sub> (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

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

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

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**SECTION 14: Transport information****Corrosive**

**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
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**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
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**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 ---

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