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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: Chemclean Powder
- Product Part Number: C-CHEMCLE

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

- Use of the substance/mixture: Brewing equipment cleaner

#### 1.3 Details of the supplier of the safety data sheet

- Name of Supplier: Chemisphere UK Ltd
- Address of Supplier: Unit 4 Richmond Road  
Trafford Park  
Manchester  
M17 1RE
- 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: Acute Tox. 4, Skin Corr. 1B, STOT SE 3

#### 2.2 Label elements



GHS05



GHS07

- Signal Word: Danger
- Hazard statements  
Causes severe skin burns and eye damage.  
Harmful if swallowed.
- Precautionary statements  
Keep out of reach of children.  
Store locked up.  
Do not breathe dust/fume/gas/mist/vapours/spray.  
Wear protective gloves/protective clothing/eye protection/face protection.  
Do not eat, drink or smoke when using this product.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if

**SECTION 2: Hazards identification (....)**

present and easy to do. Continue rinsing.

Get immediate medical advice/attention.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

Get medical advice/attention.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Get medical advice/attention if you feel unwell.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

If skin irritation occurs: Get medical advice/attention.

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

Contains: Disodium carbonate, compound with hydrogen peroxide

Sodium metasilicate pentahydrate

- Supplemental Hazard information (EU)  
None

**2.3 Hazards identification**

- Not a PBT according to REACH Annex XIII
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**SECTION 3: Composition/information on ingredients****3.2 Mixtures**

- Sodium metasilicate pentahydrate  
CAS Number: 10213-79-3  
EC Number: 229-912-9  
Concentration: 20 - 50%  
Categories: Met. Corr. 1, Skin Corr. 1B, Eye Dam. 1, STOT SE 3  
Symbols: GHS05;GHS07  
H Statements: H290;H314;H335
- Disodium carbonate, compound with hydrogen peroxide  
CAS Number: 15630-89-4  
EC Number: 239-707-6  
Concentration: 20 - 50%  
Categories: Ox. Sol. 3, Acute Tox. 4, Eye Dam. 1  
Symbols: GHS03;GHS05;GHS07  
H Statements: H272;H302;H318
- Sodium carbonate  
CAS Number: 497-19-8  
EC Number: 207-838-8  
Concentration: 20 - 50%  
Categories: Eye Irrit. 2  
Symbols: GHS07  
H Statements: H319
- Sodium dodecylbenzenesulphonate

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

CAS Number: 25155-30-0

EC Number: 246-680-4

Concentration: 1 - 10%

Categories: Skin Irrit. 2; Eye Dam. 1; Aquatic Chronic 3

Symbols: GHS05

H Statements: H315,H318,H412

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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
  - Causes severe burns
  - Risk of serious damage to eyes
  - May cause permanent damage if eye is not immediately irrigated.
- Ingestion
  - Causes severe burns
  - Causes damage to the digestive tract if swallowed
  - Harmful if swallowed
- Inhalation
  - Corrosive to the respiratory tract.
  - Can cause damage to the respiratory system
  - Harmful if inhaled.
- 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
  - In a fire this product will release oxides of carbon.
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## SECTION 5: Firefighting measures (....)

### 5.3 Advice for firefighters

- Wear chemical protection suit and breathing apparatus
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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

- Do not discharge into drains or the environment, dispose to an authorised waste collection point

### 6.3 Methods and material for containment and cleaning up

- Collect as much as possible in clean container for reuse or disposal
- Flush spill area with copious amounts of water

### 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 dust/fume/gas/mist/vapours/spray.
- Do not mix with any other products
- Proper chemicals handling procedures should be adopted
- Handle and open container with care
- Ensure adequate ventilation

### 7.2 Conditions for safe storage, including any incompatibilities

- Keep locked up and out of reach of children
- Protect from sunlight.
- Keep in a cool, dry, well ventilated place
- Incompatible with oxidizing substances
- Incompatible with acid

### 7.3 Specific end use(s)

- Cleaning of brewing equipment
- 

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

- Sodium metasilicate pentahydrate  
DNEL (Industry; dermal, long term local effects): 1.49 mg/kg/day  
DNEL (Industry; inhalational, long term local effects): 6.22 mg/m<sup>3</sup>
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**SECTION 8: Exposure controls/personal protection (....)**

DNEL (oral): 0.74 mg/kg/day

- Disodium carbonate, compound with hydrogen peroxide  
DNEL (Industry; dermal, short term local effects): 12.8 mg/cm<sup>2</sup>  
DNEL (Industry; inhalational, long term local effects): 5 mg/m<sup>3</sup>  
DNEL (dermal): 6.4 mg/cm<sup>2</sup>
- Sodium carbonate  
DNEL (Industry; inhalational, long term local effects): 10 mg/m<sup>3</sup>

**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: powder, white
- Odour: Odourless
- pH: >12
- Density: 1.20 g/cm<sup>3</sup> at 20 deg C
- Conductivity: Not available
- Solubility in water: Soluble in water
- Flammability: Not flammable

**9.2 Other information**

- No information available

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**SECTION 10: Stability and reactivity****10.1 Reactivity**

- Reacts with acid
- 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 acid

**SECTION 10: Stability and reactivity (....)**

- Avoid contact with oxidising substances

**10.6 Hazardous decomposition products**

- No hazardous decomposition products known
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**SECTION 11: Toxicological information****11.1 Contact with eyes**

- Causes serious eye damage.

**11.2 Ingestion**

- Causes damage to the digestive tract
- Causes damage to the stomach lining
- Harmful if swallowed

**11.3 Inhalation**

- Corrosive to the respiratory tract.
- Harmful if inhaled.

**11.4 Contact with skin**

- Causes severe burns

**11.5 Information on toxicological effects**

- Disodium carbonate, compound with hydrogen peroxide  
LD50 (dermal, rabbit): > 2000 mg/kg  
LD50 (oral, rat): 1034 mg/kg  
LD50 (dermal) : 2001 mg/kg
  - Sodium carbonate  
LD50 (dermal, rabbit): > 2000 mg/kg  
LD50 (oral, rat): 2800 mg/kg  
LD50 (dermal) : 2000 mg/kg  
LC50 (inhalation, rat): 2300 mg/l
  - Sodium dodecylbenzenesulphonate  
LD50 (oral, rat): 2000 - 5000 mg/kg  
LD50 (dermal) : > 2000 mg/kg
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**SECTION 12: Ecological information****12.1 Toxicity**

- Sodium metasilicate pentahydrate  
EC50 (daphnia): 1700 mg/l (48 hr)  
LC50 (fish): 210 mg/l (96 hr)
  - Disodium carbonate, compound with hydrogen peroxide  
EC50 (daphnia): 4.9 mg/l (48 hr)
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## **SECTION 12: Ecological information (....)**

LC50 (fish): 70.2 mg/l (96 hr)

- Sodium carbonate  
EC50 (daphnia): 265 mg/l (48 hr)  
LC50 (fish): 300 mg/l (96 hr)
- Sodium dodecylbenzenesulphonate  
EC50 (daphnia): 1-10 mg/l (48 hr)  
LC50 (fish): 1-10 mg/l (96 hr)

### **12.2 Persistence and degradability**

- Not readily biodegradable

### **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 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**

### **14.1 UN number**

- UN No.: 3262

### **14.2 Proper Shipping Name**

- Proper Shipping Name: CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (sodium metasilicate pentahydrate)

### **14.3 Transport hazard class(es)**

- Hazard Class: 8

### **14.4 Packing group**

- Packing Group: III.
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## **SECTION 14: Transport information (....)**

### **14.5 Environmental hazards**

- None assigned

### **14.6 Special precautions for user**

- Identification Number: 80
- IMDG EmS: F-A, S-B
- Tunnel Code: (E)
- Contains: Sodium metasilicate pentahydrate

### **14.7 Emergency Action Code**

- 2X

### **14.8 Transport in bulk according to Annex II of Marpol and the IBC Code**

- 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 Regulation 1907/2006-2015/830

### **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:- H272: May intensify fire; oxidiser. H290: May be corrosive to metals. H302: Harmful if swallowed. H314: Causes severe skin burns and eye damage. H315: Causes skin irritation. H318: Causes serious eye damage. H319: Causes serious eye irritation. H335: May cause respiratory irritation. 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 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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