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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: Brush Up
- Product Part Number: W-BRUP

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

- Use of the substance/mixture: Rotary brush glass washing detergent.

#### 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: Eye Dam. 1

#### 2.2 Label elements



**GHS05**

- Signal Word: Danger
- Hazard statements  
Causes serious eye damage.
- Precautionary statements  
Keep out of reach of children.  
Wear protective gloves/protective clothing/eye protection/face protection.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
Get immediate medical advice/attention.  
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
Get medical advice/attention.

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

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: Hexyl-D-glucoside

- 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**

- Propan-2-ol; isopropyl alcohol; isopropanol  
CAS Number: 67-63-0  
EC Number: 200-661-7  
Concentration: 10 - 30%  
Categories: Flam. Liq. 2, Eye Irrit. 2, STOT SE 3  
Symbols: GHS02;GHS07  
H Statements: H225;H336;H319
- Reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7]; and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1); reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7]; and 2-methyl-4-isothiazolin-3-one [EC no. 220-239-6] (3:1)  
CAS Number: 55965-84-9  
EC Number:  
Concentration: <0.01%  
Categories: Acute Tox. 3, Acute Tox. 3, Acute Tox. 3, Skin Corr. 1B, Skin Sens. 1, Aquatic Acute 1, Aquatic Chronic 1  
Symbols: GHS06;GHS05;GHS09  
H Statements: H331;H311;H301;H314;H317;H400;H410
- Copper (II) nitrate  
CAS Number: 3251-23-8  
EC Number: 221-838-5  
Concentration: <0.01%  
Categories: Ox. Sol. 2, Acute Tox. 4, Skin Corr. 1B, Eye Dam. 1, Aquatic Acute 1, Aquatic Chronic 2  
Symbols:  
H Statements: H272;H302;H314;H318;H400;H411
- Hexyl-D-glucoside  
CAS Number: 54549-24-5

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

EC Number: 259-217-6

Concentration: 1 - 20%

Categories: Eye Dam. 1

Symbols:

H Statements: H318

- C9-11 Alcohol ethoxylate
    - CAS Number: 68439-46-3
    - EC Number:
    - Concentration: 1 - 20%
    - Categories: Eye Dam. 1
    - Symbols:
    - H Statements: H318
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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.
- Ingestion
  - May cause irritation
  - May cause damage to the digestive tract if swallowed
- Inhalation
  - May cause respiratory irritation.
- Contact with skin
  - May cause irritation

**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**

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

- May give off noxious and toxic fumes in a fire

**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**

- 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

**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

**7.3 Specific end use(s)**

- Washing drinking glasses with a rotary brush glass-washing unit.
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**SECTION 8: Exposure controls/personal protection****8.1 Control parameters**

- Propan-2-ol; isopropyl alcohol; isopropanol  
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>
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**SECTION 8: Exposure controls/personal protection (....)**

DNEL (oral): 26 mg/kg/day

- Hexyl-D-glucoside
  - DNEL (Industry; dermal, long term systemic effects): 595000 mg/kg bw/day
  - DNEL (Industry; inhalational, long term systemic effects): 420 mg/m<sup>3</sup>
  - DNEL (Consumer; dermal, long term systemic effects): 357000 mg/kg bw/day
  - DNEL (Consumer; inhalational, long term systemic effects): 124 mg/m<sup>3</sup>
  - DNEL (oral): 35.7 mg/kg bw/day

**8.2 Exposure controls**

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

**Gloves****Goggles**

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

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**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties**

- Appearance: Liquid, pale amber
- Odour: Isopropanol odour
- pH: 6-7
- Density: 0.98 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**

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

- Avoid contact with acid
- Avoid contact with oxidising substances
- Avoid contact with aluminium
- Avoid contact with zinc
- Avoid contact with tin

**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**

- May cause irritation

**11.3 Inhalation**

- May cause respiratory irritation.

**11.4 Contact with skin**

- May cause irritation

**11.5 Information on toxicological effects**

- Propan-2-ol; isopropyl alcohol; isopropanol  
LD50 (oral) : > 5000 mg/kg  
LD50 (dermal, rabbit): > 5000 mg/kg  
LC50 (inhalation, rat): > 10000 ppm
  - Reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7]; and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1); reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7]; and 2-methyl-4-isothiazolin-3-one [EC no. 220-239-6] (3:1)  
No information available
  - Hexyl-D-glucoside  
LD50 (oral, rat): > 2000 mg/kg  
LD50 (dermal, rabbit): > 2000 mg/kg
  - C9-11 Alcohol ethoxylate  
LD50 (oral, rat): > 2000 mg/kg
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**SECTION 12: Ecological information****12.1 Toxicity**

- Propan-2-ol; isopropyl alcohol; isopropanol  
EC50 (daphnia): >100 mg/l (48 hr)  
LC50 (fish): 4200 mg/l (96 hr)
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**SECTION 12: Ecological information (....)**

- Reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7]; and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1); reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7]; and 2-methyl-4-isothiazolin-3-one [EC no. 220-239-6] (3:1)
  - EC50 (daphnia): 0.16 mg/l (48 hr)
  - LC50 (fish): 0.19 mg/l (96 hr)
- Copper (II) nitrate
  - EC50 (daphnia): 0.035 mg/l (48 hr)
  - LC50 (fish): 0.01-0.1 mg/l (96 hr)
- Hexyl-D-glucoside
  - IC50 (algae): >100 mg/l (72 hr)
  - EC50 (daphnia): >100 mg/l (48 hr)
  - LC50 (fish): >100 mg/l (96 hr)
- C9-11 Alcohol ethoxylate
  - IC50 (algae): 1-10 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 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****14.1 UN number**

- UN No.: None assigned

**14.2 Proper Shipping Name**

- Proper Shipping Name: None assigned

**14.3 Transport hazard class(es)**

**SECTION 14: Transport information (....)**

- Hazard Class: None assigned

**14.4 Packing group**

- Packing Group: None assigned

**14.5 Environmental hazards**

- Presents little or no hazard to the aquatic environment

**14.6 Special precautions for user**

- No special precautions are required for this product

**14.7 Emergency Action Code**

- None assigned

**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:- H225: Highly flammable liquid and vapour. H272: May intensify fire; oxidiser. H301: Toxic if swallowed. H302: Harmful if swallowed. H311: Toxic in contact with skin. H314: Causes severe skin burns and eye damage. H317: May cause an allergic skin reaction. H318: Causes serious eye damage. H319: Causes serious eye irritation. H331: Toxic if inhaled. H336: May cause drowsiness or dizziness. H400: Very toxic to aquatic life. H410: Very toxic to aquatic life with long lasting effects. H411: Toxic 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.**

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