## SAFETY DATA SHEET

5L SUPER PROFESSIONAL ANTIVIRAL DISINFECTANT

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

1.1. Product identifier

<table>
<thead>
<tr>
<th>Product name</th>
<th>5L SUPER PROFESSIONAL ANTIVIRAL DISINFECTANT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product number</td>
<td>800-122-0018 V2</td>
</tr>
<tr>
<td>Container size</td>
<td>5L</td>
</tr>
</tbody>
</table>

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

Identified uses: Detergent. Disinfecting and cleaning.

1.3. Details of the supplier of the safety data sheet

<table>
<thead>
<tr>
<th>Supplier</th>
<th>Mirius™</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>A Coventry Group Company</td>
</tr>
<tr>
<td></td>
<td>Woodhams Road</td>
</tr>
<tr>
<td></td>
<td>Siskin Drive</td>
</tr>
<tr>
<td></td>
<td>Coventry</td>
</tr>
<tr>
<td></td>
<td>CV3 4FX</td>
</tr>
<tr>
<td></td>
<td>Tel: +44 (0) 02476 639 739</td>
</tr>
<tr>
<td></td>
<td>Fax: +44 (0) 02476 639 717</td>
</tr>
<tr>
<td></td>
<td>Email: <a href="mailto:sales@mirius.com">sales@mirius.com</a></td>
</tr>
</tbody>
</table>

| Contact person                  | For content of safety data sheet: sds@mirius.com |

1.4. Emergency telephone number

<table>
<thead>
<tr>
<th>Emergency telephone</th>
<th>+44 (0) 1865407333 (Strictly for emergencies only: incidents involving damage to human health and/or the environment)</th>
</tr>
</thead>
<tbody>
<tr>
<td>National emergency telephone</td>
<td>In case of a medical emergency following exposure to a chemical call NHS Direct in England or Wales 0845 46 47 or NHS 24 in Scotland 08454 24 24 24</td>
</tr>
</tbody>
</table>

### SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

<table>
<thead>
<tr>
<th>Classification (EC 1272/2008)</th>
<th>Physical hazards</th>
<th>Not Classified</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Health hazards</td>
<td>Not Classified</td>
</tr>
<tr>
<td></td>
<td>Environmental hazards</td>
<td>Not Classified</td>
</tr>
</tbody>
</table>

2.2. Label elements

| Hazard statements | NC Not Classified |
5L SUPER PROFESSIONAL ANTIVIRAL DISINFECTANT

Precautionary statements

P264 Wash contaminated skin thoroughly after handling.
P262 Do not get in eyes, on skin, or on clothing.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists: Get medical advice/attention.
P501 Dispose of contents/container in accordance with local regulations.

Detergent labelling

< 5% disinfectants

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Composition comments None of the ingredients are required to be listed.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation Move affected person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.

Ingestion Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse mouth thoroughly with water. Get medical attention if any discomfort continues.

Skin contact Rinse immediately with plenty of water. Remove contaminated clothing. Get medical attention if irritation persists after washing.

Eye contact Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing. Show this Safety Data Sheet to the medical personnel.

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

Skin contact Prolonged contact may cause redness, irritation and dry skin.

Eye contact May cause temporary eye irritation.

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

Notes for the doctor No specific recommendations.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire. Foam, carbon dioxide or dry powder.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products Thermal decomposition or combustion products may include the following substances: Oxides of carbon. Toxic gases or vapours.

5.3. Advice for firefighters

Protective actions during firefighting Control run-off water by containing and keeping it out of sewers and watercourses.

Special protective equipment for firefighters Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures
5L SUPER PROFESSIONAL ANTIVIRAL DISINFECTANT

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions
For personal protection, see Section 8. In case of spills, beware of slippery floors and surfaces.

6.2. Environmental precautions

Environmental precautions
Collect and dispose of spillage as indicated in Section 13. Do not discharge into drains or watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up
Stop leak if safe to do so. Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water. Avoid the spillage or runoff entering drains, sewers or watercourses.

6.4. Reference to other sections

Reference to other sections
For personal protection, see Section 8. See Section 11 for additional information on health hazards. For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions
Provide adequate ventilation. Avoid contact with skin and eyes.

Advice on general occupational hygiene
No specific hygiene procedures recommended but good personal hygiene practices should always be observed when working with chemical products. Wash at the end of each work shift and before eating, smoking and using the toilet.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions
Store in tightly-closed, original container in a dry, cool and well-ventilated place.

7.3. Specific end use(s)

Specific end use(s)
The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Ingredient comments
None of the ingredients are required to be listed.

ALKYL (C12-16) DIMETHYLBENZYL AMMONIUM CHLORIDE (ADBAC/BKC (C12-16)) (CAS: 68424-85-1)

DNEL
Workers - Dermal; Long term systemic effects: 5.7 mg/kg/day
Workers - Inhalation; Long term systemic effects: 3.96 mg/m³
General population - Oral; Long term systemic effects: 3.4 mg/kg/day
General population - Dermal; Long term systemic effects: 3.4 mg/kg/day
General population - Inhalation; Long term systemic effects: 1.64 mg/m³

PNEC
- Fresh water; 0.001 mg/l
  Intermittent release, Fresh water; 0 mg/l
  marine water; 0.001 mg/l
  STP; 0.4 mg/l
  Sediment (Freshwater); 12.27 mg/kg
  Sediment (Marinewater); 13.09 mg/kg
  Soil; 7 mg/kg

8.2. Exposure controls
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Protective equipment

Provide adequate ventilation.

Appropriate engineering controls

No specific eye protection required during normal use.

Eye/face protection

For users with sensitive skin, it is recommended that suitable protective gloves are worn.

Hand protection

Wear appropriate clothing to prevent repeated or prolonged skin contact. Use appropriate skin cream to prevent drying of skin.

Other skin and body protection

When using do not eat, drink or smoke. Good personal hygiene procedures should be implemented. Wash hands and any other contaminated areas of the body with soap and water before leaving the work site. Use appropriate skin cream to prevent drying of skin.

Hygiene measures

Respiratory protection not required.

Respiratory protection

Avoid releasing into the environment.

Environmental exposure controls

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Liquid.

Colour

Colourless.

Odour

Odourless.

pH

pH (concentrated solution): 10.0 typically

Melting point

Not determined.

Initial boiling point and range

Not applicable.

Flash point

Not determined.

Evaporation rate

Not determined.

Flammability (solid, gas)

Not applicable.

Upper/lower flammability or explosive limits

No information available.

Vapour pressure

Not determined.

Vapour density

Not determined.

Relative density

1.000 typically @ 20°C

Solubility(ies)

Soluble in water.

Partition coefficient

No information available.

Auto-ignition temperature

Not determined.

Decomposition Temperature

Not determined.

Viscosity

Not determined.

Explosive properties

There are no chemical groups present in the product that are associated with explosive properties.
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Explosive under the influence of a flame

Not considered to be explosive.

Oxidising properties

The mixture itself has not been tested but none of the ingredient substances meet the criteria for classification as oxidising.

Comments

Information given is applicable to the product as supplied.

9.2. Other information

Other information

Not relevant.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity

There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stability

Stable at normal ambient temperatures.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions

Not applicable.

10.4. Conditions to avoid

Conditions to avoid

Avoid exposure to high temperatures or direct sunlight.

10.5. Incompatible materials

Materials to avoid

No specific material or group of materials is likely to react with the product to produce a hazardous situation.

10.6. Hazardous decomposition products

Hazardous decomposition products

Does not decompose when used and stored as recommended.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological effects

Information given is based on data of the components and of similar products.

Acute toxicity - oral

Notes (oral LD₅₀)

Based on available data the classification criteria are not met.

Acute toxicity - dermal

Notes (dermal LD₅₀)

Based on available data the classification criteria are not met.

Acute toxicity - inhalation

Notes (inhalation LC₅₀)

Based on available data the classification criteria are not met.

Skin corrosion/irritation

Skin corrosion/irritation

Not classified. Based on available data the classification criteria are not met.

Serious eye damage/irritation

Serious eye damage/irritation

Based on available data the classification criteria are not met.

Respiratory sensitisation

Respiratory sensitisation

Not sensitising. Based on available data the classification criteria are not met.

Skin sensitisation
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Skin sensitisation Not classified. Based on available data the classification criteria are not met.

Germ cell mutagenicity Does not contain any substances known to be mutagenic.

Genotoxicity - in vitro Does not contain any substances known to be carcinogenic.

Carcinogenicity

Reproductive toxicity Does not contain any substances known to be toxic to reproduction.

Reproductive toxicity - fertility

Specific target organ toxicity - single exposure Not classified as a specific target organ toxicant after a single exposure.

Specific target organ toxicity - repeated exposure Not classified as a specific target organ toxicant after repeated exposure.

General information This product has low toxicity.

Inhalation No specific health hazards known.

Ingestion May cause irritation. Symptoms following overexposure may include the following: Stomach pain. Nausea, vomiting. Diarrhoea.

Skin contact Skin irritation should not occur when used as recommended. Repeated exposure may cause skin dryness or cracking.

Eye contact May cause temporary eye irritation.

SECTION 12: Ecological information

Ecotoxicity There are no data on the ecotoxicity of this product. Not regarded as dangerous for the environment.

12.1. Toxicity

Toxicity Not considered toxic to fish.

12.2. Persistence and degradability

Persistence and degradability There are no data on the degradability of this product. The surfactant(s) contained in this product complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them at their direct request, or at the request of a detergent manufacturer.

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

Partition coefficient No information available.

12.4. Mobility In soil

Mobility The product is water-soluble and may spread in water systems.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects
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Other adverse effects
None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information
The generation of waste should be minimised or avoided wherever possible.

Disposal methods
The packaging must be empty (drop-free when inverted). Wash with plenty of water. Waste packaging should be collected for reuse or recycling. Refer to manufacturer/supplier for information on recovery/recycling. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

SECTION 14: Transport information

General
The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number
Not applicable.

14.2. UN proper shipping name
Not applicable.

14.3. Transport hazard class(es)
No transport warning sign required.

14.4. Packing group
Not applicable.

14.5. Environmental hazards
Environmentally hazardous substance/marine pollutant
No.

14.6. Special precautions for user
Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not applicable.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulations
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### EU legislation

### Guidance
Workplace Exposure Limits EH40.
COSHH Essentials.
ECHA Guidance on the Application of the CLP Criteria.
ECHA Guidance on the compilation of safety data sheets.

### 15.2. Chemical safety assessment
Currently we do not have information from our suppliers about this.

### SECTION 16: Other information

<table>
<thead>
<tr>
<th>Abbreviations and acronyms used in the safety data sheet</th>
<th>PBT: Persistent, Bioaccumulative and Toxic substance. vPvB: Very Persistent and Very Bioaccumulative.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Revision comments</td>
<td>This is the first issue.</td>
</tr>
<tr>
<td>Revision date</td>
<td>04/03/2020</td>
</tr>
<tr>
<td>Revision</td>
<td>1</td>
</tr>
<tr>
<td>SDS number</td>
<td>21439</td>
</tr>
<tr>
<td>Risk phrases in full</td>
<td>Not classified.</td>
</tr>
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