



## SAFETY DATA SHEET

### 5L ESPO CONCENTRATED WASHING UP LIQUID

Compiled in Accordance with EU and GB REACH and CLP Regulations.

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

##### 1.1. Product identifier

|                |  |
|----------------|--|
| Product name   | 5L ESPO CONCENTRATED WASHING UP LIQUID |
| Product number | 800-176-0018                           |
| Container size | 5L                                     |

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

|                      |                           |
|----------------------|---------------------------|
| Identified uses      | Detergent.                |
| Uses advised against | Not for Oral Consumption. |

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

|                |  |
|----------------|--|
| Supplier       | ESPO<br>Barnsdale Way<br>Grove Park<br>Enderby<br>Leicester<br>LE19 1ES<br>01162657878<br>coshh@espo.org |
| Contact person | For content of safety data sheet: sds@mirius.com   |

##### 1.4. Emergency telephone number

|                                     |   |
|-------------------------------------|---|
| Emergency telephone                 | 0116 294 4100 (ESPO office hours)   |
| National emergency telephone number | 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 |

#### SECTION 2: Hazards identification

##### 2.1. Classification of the substance or mixture

###### Classification (SI 2019 No. 720)

|                       |                |
|-----------------------|----------------|
| Physical hazards      | Not Classified |
| Health hazards        | Not Classified |
| Environmental hazards | Not Classified |

##### 2.2. Label elements

|                   |                   |
|-------------------|-------------------|
| Hazard statements | NC Not Classified |
|-------------------|-------------------|

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|                                 |   |
|---------------------------------|---|
| <b>Precautionary statements</b> | P102 Keep out of reach of children.   |
|                                 | P262 Do not get in eyes, on skin, or on clothing.   |
|                                 | P264 Wash contaminated skin thoroughly after handling.  |
|                                 | 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.   |

|                            |  |
|----------------------------|--|
| <b>Detergent labelling</b> | 5 - < 15% anionic surfactants, Contains 2-Bromo-2-nitropropane-1, 3-diol |
|----------------------------|--|

### 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

|  |                      |
|--|----------------------|
| <b>C12-14-ALKYL ETHER SULFATES</b>   | <b>5-10%</b>         |
| CAS number: 68891-38-3   | EC number: 500-234-8 |
| <b>Classification</b><br>Skin Irrit. 2 - H315<br>Eye Dam. 1 - H318<br>Aquatic Chronic 3 - H412 |                      |

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

|                                   |   |
|-----------------------------------|---|
| <b>Inhalation</b>                 | Unlikely route of exposure as the product does not contain volatile substances. Move affected person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.  |
| <b>Ingestion</b>                  | 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.  |
| <b>Skin contact</b>               | Rinse immediately with plenty of water. Remove contaminated clothing. Get medical attention if irritation persists after washing.   |
| <b>Eye contact</b>                | 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. |
| <b>Protection of first aiders</b> | First aid personnel should wear appropriate protective equipment during any rescue.   |

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

|                            |   |
|----------------------------|---|
| <b>General information</b> | The product is considered to be a low hazard under normal conditions of use. Treat symptomatically.                                     |
| <b>Inhalation</b>          | Considered to be a low inhalation hazard at normal workplace temperatures.  |
| <b>Ingestion</b>           | Unlikely exposure route without abuse. Symptoms will include, Sickness, possible Irritation of GI Tract. A soapy taste may be reported. |
| <b>Skin contact</b>        | Prolonged contact may cause redness, irritation and dry skin.   |
| <b>Eye contact</b>         | May cause temporary eye irritation.   |

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

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**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

#### 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** (Comment applies to neat product, not in use solutions.) Do not discharge into drains or watercourses or onto the ground. Collect and dispose of spillage as indicated in Section 13.

#### 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. Do not mix with other chemicals or detergents.

**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

## 5L ESPO CONCENTRATED WASHING UP LIQUID

### C12-14-ALKYL ETHER SULFATES (CAS: 68891-38-3)

#### DNEL

Workers - Inhalation; Long term systemic effects: 175 mg/m<sup>3</sup>  
 Workers - Dermal; Long term systemic effects: 2750 mg/kg/day  
 Consumer - Inhalation; Long term systemic effects: 52 mg/m<sup>3</sup>  
 Consumer - Dermal; Long term systemic effects: 1650 mg/kg/day  
 Consumer - Oral; Long term systemic effects: 15 mg/kg/day

#### PNEC

- Fresh water; 0.24 mg/l  
 - marine water; 0.024 mg/l  
 - Intermittent release; 0.071 mg/l  
 - Sediment, Fresh water; 0.917 mg/kg  
 - Sediment, marine water; 0.092 mg/kg  
 - Soil; 7.5 mg/kg  
 - STP; 10,000 mg/l

### BRONOPOL (INN) (CAS: 52-51-7)

#### DNEL

Workers - Inhalation; Long term systemic effects: 4.1 mg/m<sup>3</sup>  
 Workers - Inhalation; Short term systemic effects: 12.3 mg/m<sup>3</sup>  
 Workers - Inhalation; Long term local effects: 4.2 mg/m<sup>3</sup>  
 Workers - Inhalation; Short term local effects: 4.2 mg/m<sup>3</sup>  
 Workers - Dermal; Long term systemic effects: 2.3 mg/kg/day  
 Workers - Dermal; Short term systemic effects: 7 mg/kg/day  
 Workers - Dermal; Long term local effects: 0.013 mg/cm<sup>2</sup>  
 Workers - Dermal; Short term local effects: 0.013 mg/cm<sup>2</sup>  
 General population - Inhalation; Long term systemic effects: 1.2 mg/m<sup>3</sup>  
 General population - Inhalation; Short term systemic effects: 3.7 mg/m<sup>3</sup>  
 General population - Inhalation; Long term local effects: 1.3 mg/m<sup>3</sup>  
 General population - Inhalation; Short term local effects: 1.3 mg/m<sup>3</sup>  
 General population - Dermal; Long term systemic effects: 1.4 mg/kg/day  
 General population - Dermal; Short term systemic effects: 4.2 mg/kg/day  
 General population - Dermal; Long term local effects: 0.008 mg/cm<sup>2</sup>  
 General population - Dermal; Short term local effects: 0.008 mg/cm<sup>2</sup>  
 General population - Oral; Long term systemic effects: 0.35 mg/kg/day  
 General population - Oral; Short term systemic effects: 1.1 mg/kg/day

#### PNEC

- Fresh water; 0.01 mg/l  
 - marine water; 0.008 mg/l  
 - Intermittent release; 0.0025 mg/l  
 - STP; 0.43 mg/l  
 - Sediment (Freshwater); 0.041 mg/kg  
 - Sediment (Marinewater); 0.00328 mg/kg  
 - Soil; 0.5 mg/kg

## 8.2. Exposure controls

### Protective equipment



### Appropriate engineering controls

Provide adequate ventilation.

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|  |  |
|--|--|
| <b>Personal protection</b>             | This datasheet is not a Risk/COSHH assessment. Data given here should be used as part of a risk assessment. Data supplied here relates to the product as supplied, not in use solutions, these will have a lower classification. This product is not classified for skin irritation or corrosion, but the use of gloves for extended use is recommended. |
| <b>Eye/face protection</b>             | No specific eye protection required during normal use.   |
| <b>Hand protection</b>                 | For users with sensitive skin, it is recommended that suitable protective gloves are worn. For prolonged or repeated skin contact use suitable protective gloves.  |
| <b>Other skin and body protection</b>  | Wear appropriate clothing to prevent repeated or prolonged skin contact. Use appropriate skin cream to prevent drying of skin.   |
| <b>Hygiene measures</b>                | 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.  |
| <b>Respiratory protection</b>          | Respiratory protection not required.   |
| <b>Environmental exposure controls</b> | Avoid releasing into the environment.  |

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

|   |  |
|---|--|
| <b>Appearance</b>                                   | Liquid.  |
| <b>Colour</b>                                       | Greenish.  |
| <b>Odour</b>  | Odourless.   |
| <b>Odour threshold</b>                              | Not applicable.  |
| <b>pH</b>   | pH (concentrated solution): 6.5 - 8.5  |
| <b>Initial boiling point and range</b>              | Not available.   |
| <b>Flash point</b>                                  | Not determined.  |
| <b>Evaporation rate</b>                             | Not determined.  |
| <b>Evaporation factor</b>                           | No information available.  |
| <b>Flammability (solid, gas)</b>                    | Not applicable.  |
| <b>Upper/lower flammability or explosive limits</b> | No information available.  |
| <b>Vapour pressure</b>                              | Not determined.  |
| <b>Vapour density</b>                               | Not determined.  |
| <b>Relative density</b>                             | 1.020 - 1.040  |
| <b>Solubility(ies)</b>                              | Soluble in water.  |
| <b>Partition coefficient</b>                        | No information available.  |
| <b>Auto-ignition temperature</b>                    | Not determined.  |
| <b>Decomposition Temperature</b>                    | Not determined.  |
| <b>Viscosity</b>                                    | Not determined.  |
| <b>Explosive properties</b>                         | There are no chemical groups present in the product that are associated with explosive properties. |

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|   |   |
|---|---|
| <b>Explosive under the influence of a flame</b> | Not considered to be explosive.   |
| <b>Oxidising properties</b>                     | The mixture itself has not been tested but none of the ingredient substances meet the criteria for classification as oxidising. |
| <b>Comments</b>                                 | Information given is applicable to the product as supplied.   |
| <b>9.2. Other information</b>                   |   |
| <b>Other information</b>                        | Not relevant.   |
| <b>Refractive index</b>                         | 11.0-13.0   |

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

|                   |   |
|-------------------|---|
| <b>Reactivity</b> | There are no known reactivity hazards associated with this product. |
|-------------------|---|

#### 10.2. Chemical stability

|                  |  |
|------------------|--|
| <b>Stability</b> | Stable at normal ambient temperatures. |
|------------------|--|

#### 10.3. Possibility of hazardous reactions

|   |                 |
|---|-----------------|
| <b>Possibility of hazardous reactions</b> | Not applicable. |
|---|-----------------|

#### 10.4. Conditions to avoid

|                            |   |
|----------------------------|---|
| <b>Conditions to avoid</b> | Avoid exposure to high temperatures or direct sunlight. |
|----------------------------|---|

#### 10.5. Incompatible materials

|                           |  |
|---------------------------|--|
| <b>Materials to avoid</b> | No specific material or group of materials is likely to react with the product to produce a hazardous situation. |
|---------------------------|--|

#### 10.6. Hazardous decomposition products

|   |   |
|---|---|
| <b>Hazardous decomposition products</b> | Does not decompose when used and stored as recommended. |
|---|---|

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

|                              |   |
|------------------------------|---|
| <b>Toxicological effects</b> | Information given is based on data of the components and of similar products. |
|------------------------------|---|

#### Acute toxicity - oral

|                                     |  |
|-------------------------------------|--|
| <b>Notes (oral LD<sub>50</sub>)</b> | Based on available data the classification criteria are not met. |
|-------------------------------------|--|

#### Acute toxicity - dermal

|                                       |  |
|---------------------------------------|--|
| <b>Notes (dermal LD<sub>50</sub>)</b> | Based on available data the classification criteria are not met. |
|---------------------------------------|--|

#### Acute toxicity - inhalation

|   |  |
|---|--|
| <b>Notes (inhalation LC<sub>50</sub>)</b> | Based on available data the classification criteria are not met. |
|---|--|

#### Skin corrosion/irritation

|                                  |  |
|----------------------------------|--|
| <b>Skin corrosion/irritation</b> | Based on available data the classification criteria are not met. |
|----------------------------------|--|

#### Serious eye damage/irritation

|                                      |  |
|--------------------------------------|--|
| <b>Serious eye damage/irritation</b> | Based on available data the classification criteria are not met. |
|--------------------------------------|--|

#### Respiratory sensitisation

|                                  |  |
|----------------------------------|--|
| <b>Respiratory sensitisation</b> | Based on available data the classification criteria are not met. |
|----------------------------------|--|

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### Skin sensitisation

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

### Germ cell mutagenicity

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

### Carcinogenicity

**Carcinogenicity** Does not contain any substances known to be carcinogenic.

### Reproductive toxicity

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

### Specific target organ toxicity - single exposure

**STOT - single exposure** Not classified as a specific target organ toxicant after a single exposure.

### Specific target organ toxicity - repeated exposure

**STOT - repeated exposure** Not classified as a specific target organ toxicant after repeated exposure.

### Aspiration hazard

**Aspiration hazard** Based on available data the classification criteria are not met.

### 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

Not regarded as dangerous for the environment.

### 12.1. Toxicity

#### Toxicity

Not considered toxic to fish.

### 12.2. Persistence and degradability

**Persistence and degradability** The surfactant(s) contained in this product complies(comply) with the biodegradability criteria as laid down in The Detergents Regulations (as amended).

### 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

#### Other adverse effects

None known.

## 5L ESPO CONCENTRATED WASHING UP LIQUID

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

|                            |  |
|----------------------------|--|
| <b>General information</b> | The generation of waste should be minimised or avoided wherever possible.  |
| <b>Disposal methods</b>    | The packaging must be empty (drop-free when inverted). Wash with plenty of water. Waste packaging should be collected for reuse or recycling. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Normal use solutions are expected to be flushed to sewers. |

### SECTION 14: Transport information

|                |  |
|----------------|--|
| <b>General</b> | 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

|   |
|---|
| <b>Environmentally hazardous substance/marine pollutant</b> |
| 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

|                             |  |
|-----------------------------|--|
| <b>National regulations</b> | GB (UK) CLP and REACH Regulations.<br>Control of Substances Hazardous to Health Regulations 2002 (as amended).<br>EH40/2005 Workplace exposure limits.                   |
| <b>Guidance</b>             | Workplace Exposure Limits EH40.<br>COSHH Essentials.<br>ECHA Guidance on the Application of the CLP Criteria.<br>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. No chemical safety assessment has been carried out.

### SECTION 16: Other information



## 5L ESPO CONCENTRATED WASHING UP LIQUID

|   |   |
|---|---|
| <b>Abbreviations and acronyms used in the safety data sheet</b> | PBT: Persistent, Bioaccumulative and Toxic substance.<br>vPvB: Very Persistent and Very Bioaccumulative.  |
| <b>Revision comments</b>  | Review with no changes to classification NOTE: Lines within the margin indicate significant changes from the previous revision.   |
| <b>Revision date</b>  | 07/02/2022  |
| <b>Revision</b>   | 4   |
| <b>Supersedes date</b>  | 25/05/2017  |
| <b>SDS number</b>   | 20641   |
| <b>Risk phrases in full</b>                                     | R21/22 Harmful in contact with skin and if swallowed.<br>R22 Harmful if swallowed.<br>R37/38 Irritating to respiratory system and skin.<br>R38 Irritating to skin.<br>R41 Risk of serious damage to eyes.<br>R50 Very toxic to aquatic organisms. |
| <b>Hazard statements in full</b>                                | H315 Causes skin irritation.<br>H318 Causes serious eye damage.<br>H412 Harmful to aquatic life with long lasting effects.  |

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 process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.

----- END OF SDS -----