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## MATERIAL SAFETY DATA SHEET

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

#### 1.1 Product identifiers

Product name: Antibacterial Hand Soap 5L

- Antibacterial Hand Soap
- ABS005

Brand:

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

Identified uses – Cleaning agent.

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

- Name of Supplier: Solmedia Ltd.
- Address of Supplier: Unit 2, Vernon Drive  
Battlefield Enterprise Park  
Shrewsbury  
SY1 3TF  
UK
- Telephone: 0844 80 80 900
- Email: labsupplies@solmedialtd.com

#### 1.4 Emergency telephone number

Emergency Phone # +44 (0)844 80 80 900

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### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

**Classification under CHIP:** Not Classified

**Classification under CLP:** Not Classified

**Most important adverse effects:** Not Classified

#### 2.2 Label elements

**Hazard statements:** Not Classified

**Precautionary statements:** P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**Detergent labelling:** 5 - < 15% anionic surfactants, < 5% non-ionic surfactants

## 2.3 Other hazards

**PBT:** This product is not identified as a PBT/vPvB substance.

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

No data available

### 3.2 Mixtures

#### C12-14-ALKYL ETHER SULFATES

EINECS	CAS	CHIP Classification	CLP Classification	Percent
500-234-8	68891-38-3	Xi;R38,R41	Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Aquatic Chronic 3 - H412	5-10%

#### LACTIC ACID

79-33-4	201-196-2		Skin Irrit. 2 - H315 Eye Dam. 1 - H318	1-5%
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#### ALKYL AMIDO PROPYL DIMETHYLAMINE BETAINE

61789-40-0	263-058-8	Xi;R36.	Eye Dam. 1 - H318 Aquatic Chronic 3 - H412	1-5%
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#### COCONUT DIETHANOLAMIDE

68603-42-9	931-329-6	Xi;R38,R41.	Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Aquatic Chronic 2 - H412	1-5%
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#### MONOPROPYLENE GLYCOL

57-55-6			Not Classified	1-5%
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#### GLYCEROL

56-81-5	200-289-5		Not Classified	1-5%
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## **SECTION 4: First aid measures**

### **4.1 Description of first aid measures**

**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.

**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**

Not applicable

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## **SECTION 5: Firefighting measures**

### **5.1 Extinguishing media**

The product is not flammable.

### **5.2 Special hazards arising from the substance or mixture**

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

### **5.3 Advice for firefighters**

Control run-off water by containing and keeping it out of sewers and watercourses.

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

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## **SECTION 6: Accidental release measures**

### **6.1 Personal precautions, protective equipment and emergency procedures**

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

### **6.2 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 materials for containment and 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

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

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

**Usage precautions:** Avoid contact with skin and eyes. Avoid spilling.

**Advice on general occupational hygiene:** No specific requirements are anticipated under normal conditions of use.

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

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

### 7.3 Specific end use(s)

No other specific uses stipulated other than the uses mentioned in section 1.2.

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## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational exposure limits

##### MONOPROPYLENE GLYCOL

Long-term exposure limit (8-hour TWA): WEL 10 mg/m<sup>3</sup> particulate

Long-term exposure limit (8-hour TWA): WEL 150 ppm 474 mg/m<sup>3</sup> total vapour and particulates

##### GLYCEROL

Long-term exposure limit (8-hour TWA): WEL 10 mg/m<sup>3</sup> mist

WEL = Workplace Exposure Limit

#### 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

**LACTIC ACID (CAS: 79-33-4)**

- DNEL** Industry - Inhalation; Short term : 592 mg/m<sup>3</sup>  
Consumer - Oral; : 35.4 mg/kg/day

- PNEC** - Fresh water; 1.3 mg/l

**SODIUM CHLORIDE (CAS: 7647-14-5)**

- DNEL** Workers - Inhalation; Long term systemic effects: 2068.62 mg/m<sup>3</sup>  
Workers - Inhalation; Short term systemic effects: 2068.62 mg/m<sup>3</sup>  
Workers - Dermal; Long term systemic effects: 295.52 mg/kg/day  
Workers - Dermal; Short term systemic effects: 295.52 mg/kg/day  
General population - Inhalation; Long term systemic effects: 443.28 mg/m<sup>3</sup>  
General population - Inhalation; Short term systemic effects: 443.28 mg/m<sup>3</sup>  
General population - Dermal; Long term systemic effects: 126.65 mg/kg/day  
General population - Dermal; Short term systemic effects: 126.65 mg/kg/day  
General population - Oral; Long term systemic effects: 126.65 mg/kg/day  
General population - Oral; Short term systemic effects: 126.65 mg/kg/day

- PNEC**
- Fresh water; 5 mg/l
  - Intermittent release; 19
  - STP; 500 mg/l
  - Soil; 4.86 mg/kg

**COCONUT DIETHANOLAMIDE (CAS: 68603-42-9)**

- DNEL** Workers - Inhalation; Long term systemic effects: 73.4 mg/m<sup>3</sup>  
Workers - Dermal; Long term systemic effects: 4.16 mg/kg/day  
Workers - Dermal; Long term local effects: 0.0936 mg/cm<sup>2</sup>  
General population - Inhalation; Long term systemic effects: 21.73 mg/m<sup>3</sup>  
General population - Dermal; Long term systemic effects: 2.5 mg/kg/day  
General population - Dermal; Long term local effects: 0.0562 mg/cm<sup>2</sup>  
General population - Oral; Long term systemic effects: 6.25 mg/kg/day

- PNEC**
- Fresh water; 0.007 mg/l
  - marine water; 0.001 mg/l
  - STP; 830 mg/l
  - Sediment (Freshwater); 0.195 mg/kg
  - Sediment

**MONOPROPYLENE GLYCOL (CAS: 57-55-6)**

**DNEL** Workers - Inhalation; Long term systemic effects: 168 mg/m<sup>3</sup>  
Workers - Inhalation; Long term local effects: 10 mg/m<sup>3</sup>  
General population - Inhalation; Long term systemic effects: 50 mg/m<sup>3</sup>  
General population - Inhalation; Long term local effects: 10 mg/m<sup>3</sup>

**PNEC** - Fresh water; 260 mg/l  
- Intermittent release; 183 mg/l  
- marine water; 26 mg/l  
- STP; 20000 mg/l  
- Sediment (Freshwater); 572 mg/kg  
- Sediment (Marinewater); 57.2 mg/kg  
- Soil; 50 mg/kg

**GLYCEROL (CAS: 56-81-5)**

**DNEL** Workers - Inhalation; Long term local effects: 56 mg/m<sup>3</sup>  
General population - Inhalation; Long term local effects: 33 mg/m<sup>3</sup>  
General population - Oral; Long term systemic effects: 229 mg/kg/day

**PNEC** - Fresh water; 0.885 mg/l  
- marine water; 0.0885 mg/l  
- Intermittent release; 8.85 mg/l  
- STP; 1000 mg/l  
- Sediment (Freshwater); 3.3 mg/kg  
- Sediment (Marinewater); 0.33 mg/kg  
- Soil; 0.141 mg/kg

**DIETHANOLAMINE (CAS: 111-42-2)**

**DNEL** Workers - Inhalation; Long term local effects: 1 mg/m<sup>3</sup>  
Workers - Dermal; Long term systemic effects: 0.13 mg/cm<sup>2</sup>  
General population - Inhalation; Long term local effects: 0.25 mg/m<sup>3</sup>  
General population - Dermal; Long term systemic effects: 0.07 mg/kg/day  
General population - Oral; Long term systemic effects: 0.06 mg/kg/day

**PNEC** - Fresh water; 0.02 mg/l  
- marine water; 0.002 mg/l  
- STP; 100 mg/l  
- Sediment (Freshwater); 0.092 mg/kg  
- Sediment (Marinewater); 0.009 mg/kg  
- Soil; 0.007 mg/kg

## 8.2 Exposure controls

**Appropriate engineering controls:** No specific ventilation requirements.

**Eye/face protection:** No specific eye protection required during normal use.

**Hand protection:** Hand protection not required.

**Other skin and body protection:** No specific requirements are anticipated under normal conditions of use.

**Hygiene measures:** No specific measures identified.

**Respiratory protection:** Respiratory protection not required.

**Environmental exposure controls:** Avoid releasing into the environment.

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## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

**Appearance:** Liquid.

**Colour:** White.

**Odour:** Unperfumed.

**pH:** pH (concentrated solution): 2-3

**Relative density:** 1.01-1.03

**Solubility(ies):** Soluble in water.

**Viscosity:** 950-1500 cP @ 20°C

**Explosive properties:** Not applicable

**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 safety information

**Other information:** Not relevant

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

There are no known reactivity hazards associated with this product.

### 10.2 Chemical stability

Stable at normal ambient temperatures.

### 10.3 Possibility of hazardous reactions

Not applicable.

#### 10.4 Conditions to avoid

Avoid exposure to high temperatures or direct sunlight.

#### 10.5 Incompatible materials

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

#### 10.6 Hazardous decomposition products

Does not decompose when used and stored as recommended.

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### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

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

**Eye contact:** May cause temporary eye irritation.

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### 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

Not considered toxic to fish.

#### 12.2 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

No data available on bioaccumulation.

### 12.4 Mobility in soil

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

### 12.5 Results of PBT and vPvB assessment

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

### 12.6 Other adverse effects

None known.

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## 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.

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## 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 Packaging group

Not applicable.

### 14.5 Environmental hazards

Not applicable.

#### 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.

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### SECTION 15: Regulatory information

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

**National regulations:** Control of Substances Hazardous to Health Regulations 2002 (as amended).

EH40/2005 Workplace exposure limits.

**EU legislation:** Regulation (EC) N° 1223/2009 on cosmetic products

**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.

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### SECTION 16: Other information

Further information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Solmedia Ltd shall not be held liable for any damage resulting from handling or from contact with the above product.