

## BACTERICIDAL HANDWASH

### FEATURES & APPLICATIONS

**Unico Bactericidal Handwash** is a liquid handwash. The raw materials used to formulate this product are well known ingredients. They are present at typical concentrations where they are unlikely to cause irritation or allergy. The product is a particularly mild cleansing handwash which is Sodium Laureth Sulfate and Paraben free. It contains a biocide which is very effective against bacteria. Test results show 99.9% reduction in bacteria.

Use Bactericidal Handwash in toilets, washrooms, kitchens and any other area where workplace hygiene is particularly important.

### APPLICATION DETAILS

Task	Maximum Dilution	How to use
Hand washing	Use undiluted.	Use about a teaspoonful of product. Scrub hands thoroughly for 30 seconds, then rinse well with fresh water.
Hand washing with maximum bactericidal action.	Use undiluted.	Use about a teaspoonful of soap. Scrub hands thoroughly for 2 minutes, then rinse well with fresh water.

### PRODUCT AND PACKAGING INFORMATION

<b>Appearance &amp; Odour:</b>	Clear, liquid.
<b>Chemical Description:</b>	An aqueous solution of surfactants and biocide.
<b>Packaging:</b>	250 mls
<b>Shelf Life:</b>	30mths.

**Note:** Keep dispensers topped up with product. To avoid blockage, periodically clean out dispensers.

### ENVIRONMENTAL INFORMATION

**General Information:** This product has been formulated to have very little ecological impact.

#### Environmental Checklist:

Biodegradable detergents	Yes	CFC free	Yes	Solvent free	Yes
Phosphate free	Yes	Acid/alkali free	Yes	Free of dyes/perfumes	Yes
Recyclable packaging	Yes	Biodegradable container	No	Biodegradable outer box	Yes

FURTHER INFORMATION AVAILABLE ON REQUEST

**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY**

<b>Commercial Name</b> Intended/Recommended use	<b>Bactericidal Handwash</b> Liquid toilet handwash.	<b>Supplier</b> Address	<b>Unico Ltd</b> North Main Street, Carronshore, Falkirk FK2 8HT 01324 573400 01324 573401
<b>Issue Date</b> Issue Number	<b>May'15</b> 3	<b>Telephone</b> Fax	

**2. HAZARDS IDENTIFICATION**

**2.1 Classification** This product has no classification according to Chemicals (Hazard Information Packaging and Supply) Regulations 2002.  
This product is classified under EC 1272/2008

Physical and Chemical Hazards	Not Classified
Human Health	<b>H315</b> Causes skin irritation. <b>H318</b> Serious eye damage
Environment	Not Classified

**2.1 Label Elements** Label in Accordance with (EC) No. 1272/2008



Signal Word	<b>Warning</b>
Hazard Statements	<b>H315</b> Causes skin irritation. <b>H318</b> Serious eye damage
Precautionary Statements	<b>P103</b> – Please read the label information before use. <b>EUH 210</b> - Safety data sheet available on request. <b>P305 +P351 +P338 IF IN EYES:</b> Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. <b>P302 +P352 IF ON SKIN:</b> Wash with plenty of soap and water.

**3. COMPOSITION OF PRODUCT AND INFORMATION ON INGREDIENTS**

**2.1 Mixtures**

Concentrations below the concentration limit for classification in mixtures means that substance not reaching this does not need to be classified. Those that do not reach this concentration will still be included as indicative advice only.

Cocamine Oxide	>10%
CAS-No.: 61788-90-7	EC No.: 263-016-9
Classification (EC 1272/2008)	
Eye Damage 1 – H318	Skin Irritant 2 – H315

<u>NAME</u>	<u>RANGE</u>	<u>EINECS</u>	<u>CAS No</u>	<u>Conc. Limit for Classification</u>
PEG-7 Glyceryl Cocoate	1- 10%	Polymer	68201-46-7	-
Hydroxyethyl Cellulose	0.1-1%	Polymer	9004-62-0	1%
Benzalkonium Chloride	0.1-1%	270-325-2	68424-85-1	1%

**4. FIRST AID MEASURES**

**4.1 Description of first aid measures**

- Ingestion** Drink a glass of water to dilute product. Do not induce vomiting. Act immediately to prevent further irritation of mouth, throat and stomach mucosa.
- Inhalation** No ill effects expected. If irritation is experienced go in open air and ventilate area. Mouth and throat may be rinsed with water.
- Eye Contact** Check for and remove contact lenses. Rinse thoroughly with plenty of water for several minutes.
- Skin Contact** Rinse affected area with water, if needed apply a cold compress to relieve irritation.

**4.2 Most important symptoms and effects, both acute & chronic**

Where irritation of tissue occurs, stinging and redden accompanied by some discomfort for a short period after exposure. No Chronic effects known

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

If irritation to the mouth, throat, stomach, skin, eyes or respiratory system occurs and doesn't subside within a few minutes after the first aid measures have been carried out, seek immediate medical advice and have this SDS or the product label to hand.

A cold compress can be used to alleviate skin irritation.

**5. FIRE FIGHTING MEASURES**

- 5.1 Suitable extinguishing media** This product is not flammable. Use fire extinguishing media appropriate for surrounding area.
- Unsuitable extinguishing media** Not applicable.
- 5.2 Special hazards arising from the substance or mixture** Fumes may contain poisonous oxides of carbon and nitrogen (CO<sub>x</sub> & NO<sub>x</sub>) if affected by fire.
- 5.3 Advice for firefighters** Use appropriate extinguishing media for fires in the area. Firefighters should wear self-contained breathing apparatus if heat generated breakdown products are likely to be present

**6. ACCIDENTAL RELEASE MEASURES**

- 6.1 Personal precautions, protective equipment and emergency procedures**  
Wear protective clothing and eyeshields..
- 6.2 Environmental Precautions**  
Avoid spillage into surface water drains, soil / subsoil or vegetation.
- 6.3 Methods and material for containment and cleaning up**  
Hose away with plenty of water, diluting well, unless this would contaminate a water source or vegetation. In which case either collect, dilute as earlier and pour down waste drain (foul sewer) or absorb onto dry sand or similar material and dispose of safely as commercial waste.

**7. HANDLING AND STORAGE**

- 7.1 Handling** Take care when dispensing product from container and assure instruction for use are followed including the use with water. Avoid contact with skin unless water is also being applied and avoid all contact with eyes. Do not mix with any other chemicals.
- 7.2 Storage** Store upright in original containers in a cool dry area out of the reach of children.
- 7.3 Specific end use(s)** Use only as directed by the front page of this document and the product label

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1 Control Parameters**

Name	STD	TWA – 8 Hrs	STEL – 15 Min	Comments

Note: No assigned Workplace Exposure Limits for any component above 1%

**8.2 Exposure Control**

**Respiratory Protection** Personal protection is not normally required

<b>Skin Protection</b>	Personal protection is not normally
<b>Eye Protection</b>	Personal protection is not normally required unless a risk assessment indicates the need for it. In which case wear eyeshields.
<b>Hand Protection</b>	For prolonged contact or sensitive skin the use of rubber gloves is recommended for handling.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**9.1 Information on basic physical and chemical properties**

<b>Appearance</b>	Clear Liquid	<b>Flash Point (ACC)</b>	-
<b>Odour</b>	Surfactant	<b>Viscosity (20C)</b>	5500 cp approx
<b>pH</b>	7.5 typically	<b>Water Solubility</b>	Soluble
<b>Boiling Point</b>	Approx 100°C	<b>Explosive Properties</b>	None
<b>Oxidising Properties</b>	None	<b>Vapour Pressure</b>	Not Applicable
		<b>Relative Density</b>	1.00

**9.2 Other Information**

None

**10. STABILITY AND REACTIVITY**

<b>10.1 Reactivity</b>	Not known to react with other chemicals
<b>10.2 Chemical Stability</b>	No stability concerns
<b>10.3 Hazardous Reactions</b>	Will react with strong oxidising agents
<b>10.4 Conditions to Avoid</b>	Extreme heat or cold
<b>10.5 Incompatible Materials</b>	Strong oxidising reagents
<b>10.6 Hazardous decomposition products</b>	None when handled and stored correctly.

**11. TOXICOLOGICAL INFORMATION**

**11.1 Information on toxicological effects**

We have not carried out any animal testing for this product. Any ATE figures quoted below are from Toxicity Classifications that have been carried out using ATE (Acute Toxicity Estimate) Calculation Method using LD50 or ATE figures provided by the Raw Material Manufacturer.

Consideration is only given to components with greater than 1% based on the product formulation and those with a listed exposure limit in Section 8.

**Acute Toxicity – Irritant to tissue and eyes**

Component	LD-50, Oral, mg/kg	LD-50, Skin mg/kg	LC-50 (Inhalation)	Chronic Consideration
Cocamine Oxide	>2000 (rat)	--	-	No Evidence

**Chronic Toxicity**

<b>Carcinogenicity</b>	There are no known carcinogenic chemicals in this product
<b>Sensitization</b>	No information available.
<b>Mutagenic Effects</b>	No information available
<b>Reproductive Effects</b>	No information available.
<b>Developmental Effects</b>	No information available.
<b>Target Organs</b>	None known
<b>Endocrine Disruptor Info.</b>	No information available.
<b>Other Adverse Effects</b>	The toxicological properties have not been fully investigated. See actual entry in RTECS for complete information. Causes eye damage

**12. ECOLOGICAL INFORMATION**

Consideration is only given to components with greater than 1% based on the product formulation and those with a listed exposure limit in Section 8

**12.1 Toxicity**

**Ecotoxicity effects** Contains no substances known to be hazardous to the environment or that are not degradable in waste water treatment plants

**12.2 Persistence and Degradability**

The material contained in this preparation are biodegradable at a level of at least 80%

**12.3 Bioaccumulation Potential**

With the current information available, when used for its intended purpose this product will not cause adverse effects in the environment.

**12.4 Mobility in soil**

No information available

**12.5 Aquatic Toxicity**

With the current information available, this is judged to be low.

**12.6 Other adverse effects**

No information available

**13. DISPOSAL CONSIDERATIONS**

**13.1. Waste treatment methods**

Discharge used working solutions to drain is acceptable in small amounts due to the dilution of running water. Small amounts (less than 1 Litre) of unwanted concentrated product may be flushed with water to sewer with at least 15 minutes of running water.

Larger volumes of the concentrated product must be sent for disposal using a licensed waste disposal contractor.

Rinse out empty container with water and consign to normal waste.

**14. TRANSPORT**

Not regulated for Transport

**15. REGULATORY INFORMATION**

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

**EU legislation**

Safety Data Sheet prepared in accordance with REACH Commission Regulation (EU) No 453/2010 (which amends Regulation (EC) No 1907/2006). The product is as classified under GHS/CLP- Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures. Ingredients are listed with classification GHS/CLP- Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures.

**Guidance**

Workplace Exposure Limits EH40.

The National Institute for Occupational Safety and Health (NIOSH) register of Immediately Dangerous to Life or Health Concentrations (IDLH)

**16. OTHER INFORMATION**

This product does not require any special training before use. Usage and handling instructions are mentioned on packaging and on the first page of this Safety Data Sheet. This health and safety information refers to the concentrated product and has been prepared assuming the intended described use is adhered to. Any unusual or novel use of this product is done without being assessed for the impact nor is it part of the considerations in this document.

Diluted solutions can be considered to be significantly less hazardous although they should always be handled with care.

**Key literature references and sources for data**

Safety Data Sheet, Misc. manufacturers.

CLP Classification - Table 3.1 List of harmonised classification and labelling of hazardous substances.

CHIP Classification - Table 3.2 The list of harmonised classification and labelling of hazardous substances from Annex I to Directive 67/548/EEC.

ECHA - C&L Inventory database.

**Revision comments**

This product is now using classification from GHS/CLP - Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures.

**Revision date** 01/05/2017 T

The Hazard Statements listed below in this Section No 16 relate to the Raw Materials (Ingredients) in the Product (as listed in Section 3) and NOT the product itself. For the Risk Phrases / Hazard Statements relating to this Product see Section 2.

**Hazard statements in full**

H315 Causes skin irritation.

H318 Causes serious eye damage