

Material Safety Data Sheet

In accordance with Regulation (EC) No 1272/2008 (CLP) &
REACH Commission Regulation (EU) No 453/2010.
Issue date: 05/04/18, Revision No. 2

1. IDENTIFICATION OF THE PRODUCT AND SUPPLIER

- 1.1 Product identifier** ecowashroom & toilet cleaner
- 1.2 Use of Preparation** Specialised biological preparation for cleaning washroom associated areas.
- 1.3 Supplier details**
Ecoworks Marine Ltd.
3 Edgar Buildings
George St
Bath
BA1 2FJ
Phone: + 44 (0)8700 777575
E-mail: sales@ecoworksmarine.com
- 1.4 Emergency telephone number** + 44 (0)8700 777575 (8am-5pm)

2. HAZARDS IDENTIFICATION

2.1 Classification of the mixture
Classification according to the Regulation (EC) No 1272/2008 (CLP)
Warning: Serious Eye Irritation Category 2; H319

Classification of the ready to use product (rtu)
Not classified.

2.2 Label Elements
Labelling according to the Regulation (EC) No 1272/2008 (CLP)

Signal word: Warning

Symbol:



Hazard Statements H319 Causes serious eye irritation

Precautionary Statements

1.washroom +head cleaner

Material Safety Data Sheet

In accordance with Regulation (EC) No 1272/2008 (CLP) &
REACH Commission Regulation (EU) No 453/2010.
Issue date: 05/04/18, Revision No. 2

General	P102 Keep out of reach of children.
Prevention	P264 Wash hands thoroughly after handling. P280 Wear eye protection.
Response	P305,P351,P338,P337,P313: IF IN EYES. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: get medical attention.
2.3 Other hazards	Prolonged contact may cause minor degreasing of the skin. Preparation is biodegradable and not classified as dangerous for the environment.

3. COMPOSITION/ INFORMATION ON INGREDIENTS

3.2 Mixtures

Composition:

Ingredient	Cas No.	EC No.	Conc
Alcohol ethoxylate	68439-45-2	-	1-5%

Classification (EC 1272/2008)

Acute Tox. 4 H302
Eye Irrit. 1: H318

4. FIRST AID MEASURES

4.1 Description of first aid measures

In the event of exposure by inhalation:

Remove victim to fresh air.

In the event of splashes or contact with the eyes:

Immediately flush eyes with water and seek medical attention if irritation develops.

In the event of splashes or contact with the skin:

Wash affected area with water.

In the event of swallowing:

Rinse mouth and throat with water and give sips of water to drink.

4.2 Most important symptoms and effects, both acute and delayed

Material Safety Data Sheet

In accordance with Regulation (EC) No 1272/2008 (CLP) &
REACH Commission Regulation (EU) No 453/2010.
Issue date: 05/04/18, Revision No. 2

General information

The severity of the symptoms described will vary dependent of the concentration and the length of exposure.

Inhalation

No specific symptoms noted.

Ingestion

No specific symptoms noted.

Skin contact

May cause minor irritation in the event of prolonged exposure with the product concentrate.

Eye contact

May cause discomfort, redness and irritation in the event of direct contact with the product concentrate.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. FIRE FIGHTING MEASURES

5.1 Extinguishing media:

This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.

Suitable methods of extinction

Water, dry chemical or carbon dioxide.

Unsuitable methods of extinction

None known.

5.2 Special hazards arising from the mixture

None known.

5.3 Advice for fire-fighters

Protective equipment for fire-fighters

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and procedures

No special protective clothing (See Section 8).

Material Safety Data Sheet

In accordance with Regulation (EC) No 1272/2008 (CLP) &
REACH Commission Regulation (EU) No 453/2010.
Issue date: 05/04/18, Revision No. 2

6.2 Environmental precautions

Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body.

6.3 Methods and materials for containment and cleaning up

May be flushed to drains with plenty of water.

6.4 Reference to other sections

For personal protection, see Section 8.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

No specific usage precautions noted.

7.2 Conditions for safe storage, including any incompatibilities

Store at moderate temperatures in dry, well ventilated area. Keep in original container.

7.3 Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

Usage Description

See Product Information Sheet & Label for detailed use of this product.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Ingredient comments

No exposure limits noted for ingredient(s).

8.2 Exposure controls

Engineering measures

Not relevant.

Personal protection measures, such as personal protective equipment

Eye/face protection

Safety glasses recommended if prolonged contact with product concentrate is likely. Do not get in eyes. Ensure an eye bath is to hand.

Hand protection

Hand protection not required.

Body protection

Material Safety Data Sheet

In accordance with Regulation (EC) No 1272/2008 (CLP) &
REACH Commission Regulation (EU) No 453/2010.
Issue date: 05/04/18, Revision No. 2

Not required.

Respiratory protection

Respiratory protection not required.

Other protection

None required.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

General information:

Physical state

Appearance	Liquid
Colour	Blue
Odour	Pleasant
Solubility	Soluble
pH	6-8
Specific gravity	1.02 g/cm ³
Melting point/freezing point:	> 0°C
Initial boiling point and boiling range:	> 100°C
Flash point:	No data available
Evaporation rate:	No data available
Flammability (solid , gas):	No data available
Upper/lower flammability or explosive limits:	No data available
Vapour pressure:	No data available
Vapour density:	No data available
Relative density:	No data available
Partition coefficient: n-octanol/water:	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity:	No data available
Explosive properties:	No data available
Oxidising properties:	No data available

Important health, safety and environmental information:

9.2 Other information

None.

10. STABILITY AND REACTIVITY

Material Safety Data Sheet

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Issue date: 05/04/18, Revision No. 2

10.1 Reactivity

No specific reactivity hazards associated with this product.

10.2 Chemical stability

No particular stability concerns.

10.3 Possibility of hazardous reactions

See sections 10.1, 10.4 & 10.5.

10.4 Conditions to avoid

There are no known conditions that are likely to result in a hazardous situation.

10.5 Incompatible materials

No incompatible groups noted.

10.6 Hazardous decomposition products

No hazardous decomposition products.

11. TOXICOLOGICAL

11.1 Information on toxicological effects

Skin corrosion/skin irritation:

Not anticipated under normal conditions of use.

Serious damage to eyes/eye irritation:

May cause irritation, pain and redness in the event of direct contact.

Respiratory or skin sensitization:

Not anticipated under normal conditions of use.

Acute oral toxicity data (where available) for components of this product are;

Xanthan gum	Oral rat LD50 45,000 mg/kg
Non-ionic surfactant	LD50 >300 - <=2000 mg/kg
Amphoteric	LD50 2,000-5,000 mg/kg
Alkyl polyglucoside	LD50 3,000-5,000 mg/kg

12. ECOLOGICAL INFORMATION

12.1 Toxicity

We have not carried out any Aquatic testing, therefore we have no Aquatic Toxicity Data specifically for the product itself.

Material Safety Data Sheet

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Issue date: 05/04/18, Revision No. 2

Eco-toxicity data (where available) for components of this product are;

Xanthan gum	LC50 96 hr oncorhynchus mykiss (rainbow trout) 320 - 560 mg/l
Non-ionic surfactant	Fish LL/EL/IL50 1-10 mg/l Aquatic Invertebrates LL/EL/IL50 1-10 mg/l Algae LL/EL/IL50 1-10 mg/l Microorganisms Expected to be practically non toxic: LL/EL/IL50 > 100 mg/l
Amphoteric surfactant	EC50 48 hr (daphnia magna) 21.5 mg/l EC50 48 hr marine algae (skeletonema costatum) 30.0 mg/l
Alkyl polyglucoside	LD50 96 hr (fish) 558 mg /L

Mixtures

12.2 Persistence and degradability

The preparation is readily biodegradable. The surfactants in this preparation comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.

12.3 Bio-accumulative potential

The product does not contain any substances expected to bio-accumulate.

12.4 Mobility in soil

This preparation is highly dispersible in water. It is highly likely to distribute predominantly to the aqueous environment.

12.5 Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB substances.

12.6 Other adverse effects

Not known.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product Waste:

Small amounts of unwanted product may be flushed with water to sewer. Larger volumes should be sent for disposal by an approved waste contractor.

Soiled packaging:

Rinse container and consign empty container to normal waste.

14. TRANSPORT INFORMATION

General

Not classified as hazardous for transport

Material Safety Data Sheet

In accordance with Regulation (EC) No 1272/2008 (CLP) &
REACH Commission Regulation (EU) No 453/2010.
Issue date: 05/04/18, Revision No. 2

14.1 UN Number Not applicable/Non-hazardous
14.2 UN proper shipping name Not applicable/Non-hazardous
14.3 Transport Hazard class(es) Not applicable/Non-hazardous

Land
Inland Waterway Transport
Sea
Air

14.4 Packing group Not applicable/Non-hazardous
14.5 Environmental hazards Not classified as hazardous for the environment
14.6 Special Precautions for user None

15. REGULATORY INFORMATION

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

Safety Data Sheet prepared in accordance with REACH Commission Regulation (EU) No 453/2010, which amends Regulation (EC) No 1907/2006.

The product is classified under CLP Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures.

Ingredients are listed with classification under CLP Regulation (EC) No 1272/2008 classification, labelling & packaging of substances and mixtures.

15.2 Chemical safety assessment

Not applicable - this product is a mixture.

16. OTHER INFORMATION

Information Sources

Material Safety Data Sheets from multiple raw material manufacturers.

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

Comments

This Material Safety Data Sheet has been prepared in accordance with REACH Commission Regulation (EU) No 453/2010, which amends Regulation (EC) No 1907/2006. Raw material (ingredient) hazard classifications are listed in CLP format.

There has been a change to the classification of the product due to changes in the classification criteria in accordance with CLP.

Material Safety Data Sheet

In accordance with Regulation (EC) No 1272/2008 (CLP) &
REACH Commission Regulation (EU) No 453/2010.
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The Hazard Statements listed below relate to the raw materials (ingredients) in the product (as listed in Section 3) and NOT the product itself. For the Hazard Statements relating to this product refer to Section 2.

Hazard Statements in Full

H302 Harmful if swallowed.
H318 Causes serious eye damage.

Legal disclaimer:

The information provided is to the best of our knowledge correct and accurate. However, all data instructions and suggestions should be used only for guidance purposes. This company shall not be held liable for any damage resulting from handling or contact with the above product.