

Material Safety Data Sheet

In accordance with Regulation (EC) No 1272/2008 (CLP) &
REACH Commission Regulation (EU) No 453/2010.

Issue date: 04/02/16

1. IDENTIFICATION OF THE PRODUCT AND SUPPLIER

- 1.1 Product identifier** eco all surface cleaner
- 1.2 Use of Preparation** Specialised biological preparation for multi-surface cleaning
- 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 (RTU) product

Not classified.

Classification according to Directives 1999/45/EC and 67/548/EEC (CHIP)

None

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

Signal word: Warning

Symbol:



Hazard Statements

H319 Causes serious eye irritation

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Precautionary Statements

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.

In compliance with directives 67/548/EEC, 1999/45/EC and their amendments (CHIP)

Hazard symbol	None.
Risk Phrases	None.
Safety Phrases	S2 Keep out of the reach of children. S24 Avoid contact with skin. S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

2.3 Other hazards	Prolonged contact may cause minor degreasing of the skin. Preparation is biodegradable and not classified as dangerous for the environment.
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3. COMPOSITION/ INFORMATION ON INGREDIENTS

3.2 Mixtures

Composition:

Ingredient	Cas No.	EC No.	Conc
Alcohol ethoxylate	68439-46-3	-	1-5%

Classification (EC 1272/2008)

Act tox. Cat 4: H302

Ser. Eye Dam. Cat 1: H318

Classification (67/548/EEC)

Xn; R22 R41.

Ingredient	Cas No.	EC No.	Conc
Propan-2-ol	67-63-0	-	1-5%

Classification (EC 1272/2008)

STOT SE 3: H336

Eye Irrit. 2: H319

Flam. Liq. 2: H225

Classification (67/548/EEC)

F Xi; R11, R36, R67

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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 for at least 15 minutes and seek medical attention if irritation develops.

In the event of splashes or contact with the skin:

Wash affected area thoroughly 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

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.

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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).

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

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Hazardous ingredients:

PROPAN-2-OL

Workplace exposure limits:

State	8 hour	TWA: 15 min.
UK	999 mg/m	3 1250 mg/m ³

Respirable dust

STEL: 8 hour	TWA: 15 min. STEL:
-	-

8.2 Exposure controls

Engineering measures
Not relevant

Personal protection measures, such as personal protective equipment

Eye/face protection

Do not get in eyes. Recommended if prolonged contact with product concentrate is likely. Ensure eye wash is to hand.

Hand protection

Hand protection not required.

Body protection

Not required.

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	White
Odour	Spice
Solubility	Soluble
pH	4-5
Specific gravity	1.03 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

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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

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.

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Respiratory or skin sensitization:

Not anticipated under normal conditions of use.

Oral Toxicity

Xanthan gum	Oral rat LD50 45,000 mg/kg
Propan-2-ol	Oral rat LD50 5,840 mg/kg
Non-ionic surfactant	LD50 >300 - <=2000 mg/kg
Potassium sorbate	Oral rat LD50 > 2,000 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.

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

Xanthan gum	LC50 96 hr Oncorhynchus mykiss (rainbow trout) 320 - 560 mg/l LC50 Daphnia magna 48hr 980mg/L; practically nontoxic
Propan-2-ol	LC50 96 hr (fish) 9,640-10,400 mg/L
Potassium sorbate	Aquatic invertebrates 48h-EC50 of 982 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

Mixtures

12.2 Persistence and degradability

The preparation is readily biodegradable. The surfactant in this preparation complies 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.

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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.

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 Product not classified as environmentally hazardous

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.

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Ingredients are listed with classification under both CHIP - Directive 67/548/EEC - classification, packaging & labelling of dangerous substances & GHS/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. CHIP

Classification - List of harmonised classification and labelling of hazardous substances from Annex I to Directive 67/548/EEC.

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.

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

Date 13/07/15

The Risk Phrases/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 Risk Phrases / Hazard Statements relating to this product refer to Section 2.

Risk Phrases in Full

- R11 Highly flammable.
- R22 Harmful if swallowed.
- R36 Irritating to eyes.
- R41 Risk of serious damage to eyes.
- R67 Vapours may cause drowsiness and dizziness.

Hazard Statements in Full

- H225 Highly flammable liquid and vapour.
- H302 Harmful if swallowed.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H336 May cause drowsiness or dizziness.

Legal disclaimer:

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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.