

Material Safety Data Sheet

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

Issue date: 05/03/18, Revision No. 2

1. IDENTIFICATION OF THE PRODUCT AND SUPPLIER

- 1.1 Product identifier** ecosuperyacht wash down
- 1.2 Use of Preparation** Specialised biological preparation for cleaning exterior yacht surfaces.
- 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)

Not classified.

2.2 Label Elements

In compliance with the Regulation (EC) No 1272/2008 (CLP)

- Hazard Symbols** None required.
- Signal Word** None required.
- Hazard statements** None required.
- Precautionary Statements**
 General P102 Keep out of reach of children.
- Prevention**
 P262 Do not get in eyes or on skin.
 P264 Wash hands thoroughly after handling.
- Response**
 P305,P351,P338,P337: 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: seek medical attention.

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2.3 Other hazards

Contains enzymes. Avoid breathing product spray.
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

No classified ingredients, or those having occupational exposure limits, present above the levels of disclosure.

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:

Flush eyes with plenty of water and seek medical attention if irritation develops.

In the event of splashes or contact with the skin:

Wash affected area thoroughly with soap and 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

No specific symptoms noted.

Eye contact

There may be mild irritation at the site of contact.

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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).

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.

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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

None required. Avoid contact with the eyes. Ensure a water bath 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	Gold
Odour	Pleasant
Solubility	Soluble
pH	7-8
Specific gravity	1.001 g/cm ³

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Melting point/freezing point:	>0 °C
Initial boiling point and boiling range:	>100 °C
Flash point:	No data available
Evaporation rate:	No data available
Upper/lower flammability or explosive limits:	No data available
Vapour pressure:	No data available
Vapour 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.

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Serious damage to eyes/eye irritation:

There may be mild irritation 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;

Eco-solvent	Oral LD50 > 2,000 mg/Kg
Citric acid	Oral rat LD50 > 2,000 mg/Kg
Lipase enzyme	Oral rat LD-50 > 2,000mg/kg
Amphoteric surfactant	Oral rat LD-50 > 5,000mg/kg
Lauryl betaine (amphoteric)	Oral rat LD-50 > 2,000mg/kg
Non-ionic surfactant	LD50 >300 - <=2000 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;

Eco-solvent	LC50 (daphnia)	> 100 mg/l
Citric acid	LC50 48hr (fish)	440 mg/l
Lipase enzyme	LC50 (fish) > 100 mg/l, EC50 (daphnia) > 100 mg/l and IC50 (algae) > 100 mg/l	
Amphoteric surfactant	Rainbow trout (Oncorhynchus mykiss) 96hr LC50	100 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 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.

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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.

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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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.

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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.