

# SAFETY DATA SHEET

According to 1907/2006 EC, Article 31

**eco-cube®**

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Revision 1  
Revision Date 01/12/2011

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

**Product Name** eco-cube®

**Description** Blue solid urinal cube containing beneficial bacterial strains.

**Company** Eco-Works Ltd  
3 Edgar Buildings  
George St,  
Bath, BA1 2FJ

**Telephone** + 44 8700 777575  
**email** info@eco-works.co.uk

## 2. HAZARDS IDENTIFICATION

**Main Hazards** No significant hazards identified.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

### Hazardous ingredients

	Conc.	CAS	Symbols/Risk phrases
Sodium Chloride (harmless)	40 -100%	7647-14-5	
Sodium Talloate	<20%	8052-48-0	
Sodium dodecylbenzene sulphonate	10-20%	25155-30-0	Xn; R22,R36/37/38
Perfume	<3%		N,R38,R43,R65,R50/53
Glycerine	<1%	56-81-5	
Chelating Agent	<1%	140-01-2	
Class 1 Bacteria	<3%		

### Key Perfume Ingredients which require noting:

The perfume contains the following chemicals; CITRAL, CITRONELLOL, GERANIOL, LIMONENE which may cause an allergic reaction.

## 4. FIRST AID MEASURES

**Eye Contact** Rinse immediately with plenty of water for several minutes holding eyelids open.  
Seek medical attention if irritation or other symptoms persist.

**4. FIRST AID MEASURES**

<b>Skin Contact</b>	Wash with plenty of soap and water. Remove contaminated clothing.
<b>Inhalation</b>	Not likely to occur due to format of product. Move the exposed person to fresh air.
<b>Ingestion</b>	Rinse mouth thoroughly.

Seek medical attention if irritation or other symptoms persist.

**5. FIRE FIGHTING MEASURES**

<b>Extinguishing media</b>	Use extinguishing media appropriate to the surrounding fire conditions.
<b>Protective equipment</b>	Wear suitable respiratory equipment when necessary.

**6. ACCIDENTAL RELEASE MEASURES**

<b>Personal precautions</b>	Wear suitable protective clothing.
<b>Environmental precautions</b>	Do not allow large amounts of product to enter drains.
<b>Clean up methods</b>	Sweep up. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.

**7. HANDLING AND STORAGE**

<b>Handling</b>	Adopt best Manual Handling considerations when handling, carrying and dispensing.
<b>Storage:</b>	Keep in a cool dry, well-ventilated area. Keep containers tightly closed. Store in correctly labelled containers.
<b>Incompatible Materials:</b>	Strong acids or alkali compounds may inactivate biological cultures. Avoid strong oxidising agents. Do not store in metallic containers.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

<b>Exposure limits</b>	None applicable to raw materials in this product.
<b>Engineering measures</b>	Ensure adequate ventilation of the working area.
<b>Respiratory protection</b>	If airborne dust generated, wear suitable half mask respirator with filter P2 (EN143).
<b>Hand protection</b>	Chemical resistance gloves (PVC, neoprene or butyl) .
<b>Eye protection</b>	Approved safety goggles.
<b>Protective equipment</b>	Wash all contaminated clothing before re-use.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Physical state:</b>	Coloured solid
<b>Appearance:</b>	Blue cube shape
<b>Odour:</b>	Characteristic citrus
<b>pH:</b>	approx 8 (1% solution at 20 degrees centigrade)
<b>Boiling Point/Boiling Range:</b>	Not applicable
<b>Melting Point/Melting Range:</b>	Not applicable

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Flash Point:</b>	Not determined.
<b>Flammability (Solid, Gas):</b>	Not applicable.
<b>Autoflammability:</b>	Not determined.
<b>Explosive Properties:</b>	Predicted not explosive based on chemical structure.
<b>Oxidising Properties:</b>	Not determined.
<b>Solubility</b>	Water solubility: 100% (aqueous product). Fat solubility: Not determined.

## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Stable under normal conditions.
<b>Conditions to Avoid:</b>	Excessive temperature variations, below 0°C or above 45 °C
<b>Materials to Avoid:</b>	Strong acids or alkali compounds may inactivate biological cultures and strong oxidising agents.
<b>Hazardous Decomposition</b>	
<b>Products:</b>	None anticipated.

## 11. TOXICOLOGICAL INFORMATION

### Toxicological information

May cause irritation to the eyes and skin. Inhalation of a finely divide material may irritate the mucous membrane.

#### Acute toxic effects:

Ingestion, LD50 Rat oral (mg/kg):	Acute oral toxicity 2150 mg/kg
Inhalation, LC50 Rat inhalation (mg/l/4h):	Not determined
Skin, LD50 Rat dermal (mg/kg)	Not determined
Eye irritation	Not determined

#### Chronic toxic effects:

Sensitisation:	Not determined
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The product is formulated using a range of micro-organisms specially selected from the natural environment and that are known to be non-pathogenic to humans, animals or plants. It is advised to cover open wounds when in use.

## 12. ECOLOGICAL INFORMATION

<b>Mobility:</b>	This preparation has high water solubility. Therefore it is likely to distribute predominantly to the aqueous environment.
<b>Biodegradability:</b>	The preparation is expected to biodegrade rapidly. However no information on anaerobic biodegradation is available. Sodium dodecylbenzene sulphonate is completely biodegradable and will be degraded in a few days.

**12. ECOLOGICAL INFORMATION**

- Accumulation:** Not anticipated to bioaccumulate due to high water solubility and hence, biomagnification is not likely.
- Ecotoxicity:** The preparation is not anticipated to pose any environmental hazard. No data on toxicity specifically to soil organisms, plants and terrestrial animals are available.
- Other adverse effects:** There is no ozone depletion, photochemical ozone creation or global warming potential. Adverse effects in the sewage treatment plant are not anticipated.
- Other information:** Class 1 micro-organisms (European Federation of Biotechnology) selected from the natural environment.

**13. DISPOSAL CONSIDERATIONS**

- General Information** Dispose of in compliance with local and national regulations.
- Further information** The product is not classified as dangerous for carriage.

**14. TRANSPORT INFORMATION**

No special requirements

**International Regulations**

- Land:** Not applicable.
- Inland waterways:** Not applicable.
- Sea:** Not applicable.
- Air:** Not applicable.

**UN classification number:** None.

**Local Regulations:** Any relevant local regulations concerning transport should be observed.

**15. REGULATORY INFORMATION****EC Regulations:**

The preparation is classified as non hazardous according to the requirements of Annex VI of Council Directive 67/548/EEC, Directive 1999/45/EC, 2001/58/EU and Regulation (EC) No 1907/2006.

## 16. ADDITIONAL INFORMATION

**Legal Disclaimer:**

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. Eco-Works Ltd assumes no responsibility for the injury to customers or any third party caused by the material if reasonable safety procedures are not adhered to as stipulated in this data sheet. This information is correct to the best of our knowledge and belief at the date of publication however, no guarantee is made to its accuracy. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any other process.