

SAFETY DATA SHEET



Conforms to EU Directive 91/155/EEC, as amended by 2001/58/EC -
United Kingdom (UK)

Bioscan

Code : 109841E

Version : 2

Date of issue : 30 July 2006

1. Identification of product and company

Identification of the substance or preparation

Product name : Bioscan
Product use : Sanitary cleaner
Product is for professional use only

Company/undertaking identification

Supplier : Ecolab Ltd.
David Murray John Building
UK-SN1 1NH Swindon, Wiltshire
England
Tel +44 (0)1793 511221
Fax +44 (0)1793 618552
Emergency telephone number: 01793 511221
anti-poison centre : NOT AVAILABLE.

2. Composition/information on ingredients

Ingredient declaration according to detergent regulation 648/2004/EC:

contains preservatives: (Benzisothiazolinone)
Contains Perfumes: (Limonene, Citral)

Substance/preparation : Preparation

Ingredient name	EINECS	CAS	%	Classification
Plasticisers	246-807-3	25307-17-9	5 - 10	Xn; R22 C; R34 N; R50
Cationic surfactants	232-447-4	8030-78-2	1 - 2	Xn; R22 C; R34 N; R50
Citric acid	201-069-1	5949-29-1	1 - 2	Xi; R36
Propan-2-ol	200-661-7	67-63-0	1 - 2	F; R11 Xi; R36 R67
See section 16 for the full text of the R-phrases declared above				

Occupational exposure limits, if available, are listed in section 8.

3. Hazards identification

The preparation is classified as dangerous according to Directive 1999/45/EC and its amendments.

Classification : Xi; R36/38

Human health hazards : Irritating to eyes and skin.

See section 11 for more detailed information on health effects and symptoms.

4. First-aid measures

First-aid measures

- Inhalation** : If inhaled, remove to fresh air.
- Ingestion** : Do not induce vomiting unless directed to do so by medical personnel. If swallowed, rinse mouth with water (only if the person is conscious).
- Skin contact** : In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
- Eye contact** : In case of contact with eyes, rinse immediately with plenty of water. Get medical attention if irritation occurs.
- Specific treatments** : Not available.

See section 11 for more detailed information on health effects and symptoms.

5. Fire-fighting measures

- Extinguishing media** : In case of fire, use water spray (fog), foam, dry chemical, or CQ
- Special protective equipment for fire-fighters** : Fire-fighters should wear proper protective equipment.

6. Accidental release measures

- Personal precautions** : Large spill and leak. Immediately contact safety personnel.
- Environmental precautions and clean-up methods** : Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.
SMALL SPILL. Rinse with plenty of running water. For large spills dike spilled material or otherwise contain material to ensure runoff does not reach a waterway. Place spilt material in an appropriate container for disposal.

Note: see section 8 for personal protective equipment and section 13 for waste disposal.

7. Handling and storage

- Handling** : Avoid contact with eyes, skin and clothing. After handling, always wash hands thoroughly with soap and water.
- Storage** : Keep container tightly closed. Keep away from food, drink and animal feeding stuffs. Keep only in the original container.
Store between 0 and 40°C
- Packaging materials**
- Recommended** : Use original container.

8. Exposure controls/personal protection

Ingredient name

propan-2-ol

Occupational exposure limits

EH40-WEL (United Kingdom (UK), 1/2005).

STEL: 1250 mg/m³ 15 minute/minutes. Form: All forms

STEL: 500 ppm 15 minute/minutes. Form: All forms

TWA: 999 mg/m³ 8 hour(s). Form: All forms

TWA: 400 ppm 8 hour(s). Form: All forms

Exposure controls

- Occupational exposure controls** : If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators.
- Respiratory protection (EN 143, 141)** : A respirator is not needed under normal and intended conditions of product use.
- Hand protection (EN 374)** : 1 - 4 hours: butyl rubber, nitrile rubber
- Eye protection (EN 166)** : Safety glasses.
- Skin protection (EN 467)** : safety apron. Suitable protective footwear.

9. Physical and chemical properties

General information

Appearance

Physical state	: Liquid.
Colour	: Yellow. (Light.)
Odour	: citrus

Important health, safety and environmental information

pH	: 5 (100%)
Boiling point	: >100 °C
Melting point	: Not available.
Flash point	: > 100°C Product does not support combustion.
Flammability (solid, gas)	: Not applicable.
Explosive properties	: Not applicable.
Explosion Limits	: Not applicable.
Oxidising properties	: Not available.
Vapour pressure	: Not applicable.
Relative density	: 1 g/cm ³ (20 °C)
Solubility	: Easily soluble in cold water, hot water.
Octanol/water partition coefficient	: Not applicable.
Viscosity	: Dynamic: 220 cP
Vapour density	: Not available.
Evaporation rate (butyl acetate = 1)	: Not applicable.

10. Stability and reactivity

Stability	: Stable under normal conditions.
Materials to avoid	: Reactive or incompatible with the following materials: alkalis. Slightly reactive or incompatible with the following materials: metals and acids. Non-reactive or compatible with the following materials: organic materials and moisture. Do not mix with other products.

11. Toxicological information

Potential acute health effects

Inhalation	: No specific hazard.
Ingestion	: If swallowed, do not induce vomiting. Irritant.
Skin contact	: Irritating to skin.
Eye contact	: Irritating to eyes.
Reproductive toxicity	: No known significant effects or critical hazards.

12. Ecological information

Ecotoxicity

The product is not subject to ecological classification according to directive 1999/45/EC.

Persistence and degradability

The surfactants contained in the product are biodegradable according to the requirements of the detergent regulation 648/2004/EC

13. Disposal considerations

Methods of disposal : Waste must be disposed of according to applicable regulations. Use as much of the contents as possible, according to instructions. Can be added to general waste collection after completely emptying. Use packages for recycling only when totally empty

Waste classification : Not applicable.

European waste catalogue (EWC) : 20 01 14

14. Transport information

International transport regulations

Regulatory information	UN number	Proper shipping name	Class	Packing group	Label
ADR/RID Class	Not regulated.	-	-	-	
ADN Class	Not regulated.	-	-	-	
IMDG Class	Not regulated.	-	-	-	

Follow special pack instructions for air transport.

15. Regulatory information

EU regulations

Hazard symbol/symbols :



Irritant

Risk Phrases : R36/38- Irritating to eyes and skin.

Safety phrases : S2- Keep out of the reach of children.
S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S37- Wear suitable gloves.

National regulations

The Chemicals (Hazard Information and Packaging for Supply) Regulations.

The Control of Substances Hazardous to Health Regulations.

Health and Safety at Work Act.

16. Other information

Full text of R-phrases referred to in sections 2 and 3 - United Kingdom (UK) : R11- Highly flammable.
R22- Harmful if swallowed.
R34- Causes burns.
R36- Irritating to eyes.
R36/38- Irritating to eyes and skin.
R67- Vapours may cause drowsiness and dizziness.
R50- Very toxic to aquatic organisms.

History

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Prepared by : Ecolab Regulatory Department Europe

Notice to reader

The above information is believed to be correct with respect to the formula used to manufacture the product in the country of origin. As data, standards, and regulations change, and conditions of use and handling are beyond our control, NO WARRANTY, EXPRESS OR IMPLIED, IS MADE AS TO THE COMPLETENESS OR CONTINUING ACCURACY OF THIS INFORMATION.