

SAFETY DATA SHEET



Conforms to EU regulation EC 1907/2006 and amendments

Ecobrite Destainer

Code : 109786E

Version : 9

Date of revision : 19 June 2009

1. Identification of the substance/preparation and company/undertaking

Identification of the substance or preparation

Product name : Ecobrite Destainer
Product use : Bleach
Product is for professional use only

Company/undertaking identification

Manufacturer/ : Ecolab Ltd.
Distributor/ David Murray John Building
Importer UK-SN1 1NH Swindon, Wiltshire
England
Tel +44 (0)1793 511221
Fax +44 (0)1793 618552
CCS@ecolab.com
Emergency phone: 01793 511221

anti-poison centre : NOT AVAILABLE.

2. Hazards identification

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

Classification : R35
R31
N; R50

Human health hazards : Causes severe burns. Contact with acids liberates toxic gas.

Environmental hazards : Very toxic to aquatic organisms.

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

3. Composition/information on ingredients

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

≥5 - <15% chlorine-based bleaching agents
<5% phosphonates

Substance/preparation : Preparation

Ingredient name	EINECS	CAS	%	Classification
Sodium hypochlorite	231-668-3	7681-52-9	10 - 20	C; R34 R31 N; R50 [1]
sodium hydroxide	215-185-5	1310-73-2	0.5 - 1.0	C; R35 [1]
See section 16 for the full text of the R-phrases declared above				

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

[3] PBT-substance

[4] vPvB-substance

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

4. First aid measures

First-aid measures

- Inhalation** : Move exposed person to fresh air. Get medical attention immediately.
- Ingestion** : Wash out mouth with water. Move exposed person to fresh air. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention immediately.
- Skin contact** : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention immediately.
- Eye contact** :  Get medical attention immediately. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids.
- Specific treatments** : Not available.

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

5. Fire-fighting measures

- Extinguishing media - Suitable** :  In case of fire, use water spray (fog), foam, dry chemical or CO₂. This material is very toxic to aquatic organisms. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
- Extinguishing media - Not suitable** : None known.
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. Accidental release measures

- Personal precautions** : Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapour or mist. Provide adequate ventilation.
- Environmental precautions** :  Water polluting material. May be harmful to the environment if released in large quantities.
- Small spill** : Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container.
- Large spill** : Prevent entry into sewers, water courses, basements or confined areas. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13).

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

7. Handling and storage

- Handling** :  Do not get in eyes or on skin or clothing. Do not ingest. Avoid release to the environment. Keep away from acids. After handling, always wash hands thoroughly with soap and water.
- Storage** : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Separate from acids. Keep container tightly closed and sealed until ready for use.
Store between the following temperatures: 5 and 40°C
- Packaging materials**
- Recommended** : Use original container.

8. Exposure controls/personal protection

Ingredient name

sodium hydroxide

Occupational exposure limitsEH40/2005 WELs (United Kingdom (UK), 8/2007).
STEL: 2 mg/m³ 15 minute(s).**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, 14387)** : 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)** : Goggles, face shield, or other full-face protection.
- Skin protection (EN 14605)** : Safety apron . Suitable protective footwear.

9. Physical and chemical properties

General information**Appearance**

- Physical state** : Liquid.
- Colour** : Yellowish. [Light]
- Odour** : chlorine

Important health, safety and environmental information

- pH** : 11.4 to 11.8 (100%)
- Boiling point** : Not available.
- Melting point** : Not available.
- Flash point** : > 100°C
- Flammability (solid, gas)** : Not applicable.
- Explosive properties** : Not applicable.
- Explosion limits** : Not applicable.
- Oxidising properties** : Not available.
- Vapour pressure** : Not applicable.
- Relative density** : 1.16 to 1.2 g/cm³ (20 °C)
- Solubility** : Easily soluble in cold water, hot water.
- Octanol/water partition coefficient** : Not applicable.
- Viscosity** : Not available.
- Vapour density** : Not available.
- Evaporation rate (butyl acetate = 1)** : Not applicable.

10. Stability and reactivity

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

11. Toxicological information

Potential acute health effects

- Inhalation** : May give off gas, vapor or dust that is very irritating or corrosive to the respiratory system.
- Ingestion** : May cause burns to mouth, throat and stomach.
- Skin contact** : Causes severe burns.
- Eye contact** : Causes severe burns.
- Carcinogenicity** : No known significant effects or critical hazards.
- Mutagenicity** : No known significant effects or critical hazards.
- Reproductive toxicity** : No known significant effects or critical hazards.

12. Ecological information

Ecotoxicity

 **R50**- Very toxic to aquatic organisms.

Persistence and degradability

Mainly inorganic product. Biodegradation information refers only to organic component(s).

13. Disposal considerations

- Methods of disposal** : The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Can be added to general waste collection after completely emptying. Use packages for recycling only when totally empty.
- European waste catalogue (EWC)** : 200129*

14. Transport information

International transport regulations

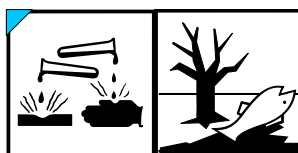
Regulatory information	UN number	Proper shipping name	Class	Packing group	Label
ADR/RID Class	UN3266	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (Sodium hydroxide, Sodium hypochlorite)	8	III	8
IMDG Class	UN3266	 CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (Sodium hydroxide, Sodium hypochlorite). Marine pollutant	8	III	8

Follow special pack instructions for air transport.

15. Regulatory information

EU regulations

Hazard symbol/symbols :



 Corrosive, Dangerous for the environment

Ecobrite Destainer

Contains	: Sodium hydroxide
Risk phrases	: R35- Causes severe burns. R31- Contact with acids liberates toxic gas. R50- Very toxic to aquatic organisms.
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. S28- After contact with skin, wash immediately with plenty of water. S36/37/39- Wear suitable protective clothing, gloves and eye/face protection. S45- In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). S50- Do not mix with acids.

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) : R34- Causes burns.
R35- Causes severe burns.
R31- Contact with acids liberates toxic gas.
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.

Version 9

Page: 5/5