



MATERIAL SAFETY DATA SHEET

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Revised edition no : 1

Date : 1 / 8 / 2012

Supersedes : 13 / 3 / 2012

POLBIO ENZYSAN 2000

2106799



Health : 0	No unusual hazard.
Flammability : 0	Not combustible.
Reactivity : 0	Stable : Not reactive when mixed with water.
Special Notice Key : --	---

Produced by

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SECTION 1. Identification of the substance/mixture and of the company/undertaking

Identification of the product : Liquid.
Use : See product bulletin for detailed information.
Company identification : See distributor.

SECTION 2 Hazards identification

Risk Phrases : This product is not hazardous.
NFPA Hazard Ratings (USA) : Health : 0 - No unusual hazard.
Flammability : 0 - Not combustible.
Reactivity : 0 - Stable : Not reactive when mixed with water.
Special Notice Key : ---
Hazards identification : The mixture is not dangerous when diluted at the working dilution.
Primary route of exposure :
- Inhalation : Health injuries are not known or expected under normal use.
- Skin contact : Health injuries are not known or expected under normal use.
- Eye contact : Health injuries are not known or expected under normal use.
- Ingestion : Health injuries are not known or expected under normal use.

SECTION 3 Composition/information on ingredients

This product is not considered to be hazardous but contains hazardous components.

Substance name	Contents	CAS No	EC No	Index No	REACH	Classification
Alkylpolyglycoside C10-16	> 1 <= 5 %	110615-47-9	500-395-4	-----	-----	Xi; R41 Not defined (GHS)
Alkylpolyglycoside C8-10	> 1 <= 5 %	68515-73-1	500-533-3	-----	-----	Xi; R41 Not defined (GHS)
Bronopol (INN) : 2-bromo-2-nitropropane-1,3 diol	> 0.1 <= 1 %	52-51-7	200-143-0	603-085-00-8	-----	Xn; R21/22 Xi; R37/38-41 N; R50 Eye Dam. 1;H318 Acute Tox. 4 (Dermal);H312 Acute Tox. 4 (Oral);H302 Skin Irrit. 2;H315 Not CLP Aquatic Acute 1;H400
l-Carvone	> 0.1 <= 1 %	6485-40-1	229-352-5	-----	-----	Xn; R22 R43 Acute Tox. 4 (Oral);H302 Skin Sens. 1;H317
(R)-p-mentha-1,8-diene	> 0.1 <= 1 %	5989-27-5	227-813-5	601-029-00-7	01-2119529223-47	R10 Xi; R38 R43 N; R50-53 Flam. Liq. 3;H226 Skin Irrit. 2;H315 Skin Sens. 1;H317 Aquatic Acute 1;H400 Aquatic Chronic 1;H410

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SECTION 3 Composition/information on ingredients (continued)

Composition of detergents : < 5% : phosphonates
< 5% : non-ionic surfactants
Based on non pathogenic bacteria
Preservatives - Perfumes

SECTION 4. First aid measures

First aid measures
- Eye contact : Rinse with water.
- Ingestion : Drink two glasses of water. DO NOT INDUCE VOMITING. Seek medical advice.

SECTION 5. Fire-fighting measures

Flammable class : Not flammable.
Extinguishing media
- Suitable extinguishing media : Carbon dioxide. Dry chemical. Water spray.
- Unsuitable extinguishing media : Use of heavy stream of water may spread fire.
Protection against fire : Wear proper protective equipment.
Special procedures : Exercise caution when fighting any chemical fire.

SECTION 6. Accidental release measures

Personal precautions : Equip cleanup crew with proper protection.
Environmental precautions : Does not disturb the water treatment stations.
Clean up methods : Spill area may be slippery. Dilute residues and flush.

SECTION 7. Handling and storage

General : Avoid all unnecessary exposure.
Storage : Keep container closed when not in use.
Store at room temperature.
Handling : Handle with good industrial hygiene and safety procedures
Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work.
Ensure prompt removal from eyes, skin and clothing.

SECTION 8. Exposure controls/personal protection

Personal protection
- Respiratory protection : Not required.
- Skin protection : Not required.
- Eye protection : Not required.

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SECTION 9. Physical and chemical properties

Appearance : Liquid.
Colour : Green.
Odour : mint.
pH value (concentrated product) : 6.5 - 7
Density [kg/m³] : 1005 +/- 5
Solubility in water : Complete.
Other data : See Heading : Information on ingredients.

SECTION 10. Stability and reactivity

Hazardous decomposition products : None under normal conditions.
Hazardous reactions : None under normal conditions.
Hazardous properties : None under normal conditions.
Materials to avoid : Do not mix with other product.

SECTION 11. Toxicological information

On product : No data available.

SECTION 12. Ecological information

Biodegradation [%] : The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

SECTION 13. Disposal considerations

General : This product is not hazardous.
Dispose in a safe manner in accordance with local/national regulations.

SECTION 14. Transport information

General information : Not classified.
Not regulated.

SECTION 15. Regulatory information

EC Labelling
Ensure all national/local regulations are observed.
Symbol(s) : None.
R Phrase(s) : None.
S Phrase(s) : None.
Warning : Contains : l-Carvone - (R)-p-mentha-1,8-diene. May produce an allergic reaction.
Other : None.

This document has been prepared in accordance with the MSDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

The information in this SDS was either obtained from measurements either calculated or retrieved from sources which we believe to be reliable. However, we cannot guarantee the completeness and absence of errors concerning the information supplied by external sources. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss,

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damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.

End of document

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