



# SAFETY DATA SHEET

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Revised edition no : 2

Date : 11 / 5 / 2015

Supersedes : 20 / 3 / 2013

## POLBIO ENZYSAN 2000

**2106799****Produced by**

Pollet S.A.  
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**SECTION 1. Identification of the substance/mixture and of the company/undertaking**

**Identification of the product** : Liquid.  
**Use** : Industrial and institutional detergent  
See product bulletin for detailed information.  
**Company identification** : See distributor.  
**Name and function of the responsible person** : adress email : [msds@pollet.eu](mailto:msds@pollet.eu)  
tél 0032 69 553 893 or 883  
Laboratory of Pollet S.A.

**SECTION 2 Hazards identification****2.1. Classification of the substance or mixture****Hazard Class and Category Code(s), Regulation (EC) No 1272/2008 (CLP)**

Not regulated.

**2.2. Label elements****Labelling Regulation EC 1272/2008 (CLP)**• **Hazard statements** : Not regulated.**2.3. Other hazards****Other hazards** : None under normal conditions.**SECTION 3 Composition/information on ingredients****3.1./3.2. Substance / Preparation****Substance / Preparation** : Preparation.

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

Substance name	Contents	CAS No	EC No	Index No	REACH	Classification
Alcohols, C9-11, ethoxylated	> 1 <= 5 %	68439-46-3	-----	-----	----	Xn; R22 Xi; R36 ----- Eye Irrit. 2;H319 Acute Tox. 4 (Oral);H302
sodium p-cumenesulphonate	> 1 <= 5 %	15763-76-5	239-854-6	-----	01-2119489411-37	Xi; R36 ----- Eye Irrit. 2;H319
l-Carvone	> 0.1 <= 1 %	6485-40-1	229-352-5	-----	----	Xn; R22 R43 ----- Acute Tox. 4 (Oral);H302 Skin Sens. 1;H317
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 STOT SE3; H335 Aquatic Acute 1;H400 (M fact. = 10)
(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

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### SECTION 3 Composition/information on ingredients (continued)

Aquatic Chronic 1;H410

**Composition of detergents** : < 5% : - Phosphonates - Anionic surfactants  
5% - 15% : - Non-ionic surfactants  
Preservatives - Perfumes  
Based on non pathogenic bacteria

### SECTION 4. First aid measures

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

### SECTION 5. Firefighting measures

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

### SECTION 6. Accidental release measures

**Personal precautions** : Spill area may be slippery.  
Equip cleanup crew with proper protection.  
**Environmental precautions** : Prevent entry to sewers and public waters.  
**Clean up methods** : Clean up any spills as soon as possible, using an absorbent material to collect it.  
Use suitable disposal containers.  
Dilute residues and flush.

### SECTION 7. Handling and storage

**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.  
**General** : Avoid all unnecessary exposure.  
**Storage** : Keep container closed when not in use.  
Store at room temperature.

### SECTION 8. Exposure controls/personal protection

**Personal protection**  
- **Respiratory protection** : Not required.  
- **Skin protection** : Not required.  
- **Eye protection** : Not required.  
- **Ingestion** : When using, do not eat, drink or smoke.

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### SECTION 9. Physical and chemical properties

<b>Appearance</b>	: Liquid.
<b>Colour</b>	: Green. POLBIO ENZYSAN 2000, a natural product, can present colour variations going from light to dark green.
<b>Odour</b>	: mint.
<b>pH value (concentrated product)</b>	: 7 +/- 0.5
<b>pH value in distilled water</b>	: 2% : 7.5 +/- 0.5
<b>Density [kg/m<sup>3</sup>]</b>	: 1015 +/- 5
<b>Solubility in water</b>	: Complete.
<b>Other data</b>	: See Heading : Information on ingredients.

### SECTION 10. Stability and reactivity

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

### SECTION 11. Toxicological information

<b>On product</b>	: No data available.
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### SECTION 12. Ecological information

<b>On ingredients</b>	: 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.
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### SECTION 13. Disposal considerations

<b>General</b>	: Dispose in a safe manner in accordance with local/national regulations. Avoid release to the environment.
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### SECTION 14. Transport information

<b>General information</b>	: Not regulated.
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### SECTION 15. Regulatory information

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

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## SECTION 16. Other information

**R sentences relative to raw materials mentioned in section 3** : R10 : Flammable.  
R21/22 : Harmful in contact with skin and if swallowed.  
R22 : Harmful if swallowed.  
R36 : Irritating to eyes.  
R37/38 : Irritating to respiratory system and skin.  
R38 : Irritating to skin.  
R41 : Risk of serious damage to eyes.  
R43 : May cause sensitization by skin contact.  
R50 : Very toxic to aquatic organisms.  
R50/53 : Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Print date** : 11 / 5 / 2015

The contents and format of this SDS are in accordance with REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL

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, 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****Pollet S.A.**

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