



MATERIAL SAFETY DATA SHEET

According to Regulation (EC) 1907/2006

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Revised edition no : 4

Date : 14 / 7 / 2009

Supersedes : 29 / 3 / 2006

Delicate**31106246**

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

Trade name : Delicate
Type of product : Liquid detergent.
Use : Domestic.
Company identification : ECOVER BELGIUM NV
Industrieweg 3
2390 Malle Belgique-Belgie
e-mail: : sds@ecover.com
Phone : +32 (0)3 309 25 00
Fax : +32 (0)3 311 72 70
Emergency phone nr : +32 (0)70 245 245 (Antipoison Centre Belgium)
Responsible for placing on the market : See address above.
- : -

2. HAZARDS IDENTIFICATION

Hazards identification : Not classified as dangerous product.
Symptoms relating to use
- **Inhalation** : None under normal conditions.
- **Skin contact** : Not expected to present a significant skin hazard under anticipated conditions of normal use.
Prolonged or repeated contact may cause skin to become dry.
- **Eye contact** : Not expected to present a significant eye contact hazard under anticipated conditions of normal use.
- **Ingestion** : Harmful if swallowed. Abdominal pain. Nausea.
Vomiting.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Substance / Preparation : Preparation.
Components : This product is not hazardous but contains hazardous components.
Composition : Regulation (CE) No. 648/2004 of 31 March 2004 on detergents:
< 5% : - Nonionic surfactants - Soap
5% - 15% : - Anionic surfactants
Perfumes
LIMONENE.
2-BROMO-2-NITROPROPANE-1,3-DIOL

Substance name	Contents	CAS No	EC No	Index No	Classification
Sodium Lauryl Ether Sulfate	: Between 5 and 15 %	68891-38-3	POLYMER	----	Xi; R38-41
Soap	: Between 1 and 5 %	----	----	----	Xi; R36
Alkyl Poly Glycoside C10-16	: Between 1 and 5 %	110615-47-9	POLYMER	----	Xi; R38-41
Sodium octyl sulfate	: Between 0.1 and 1 %	142-31-4	205-535-5	----	Xi; R38-41
Perfume	: Between 0.01 and 0.1 %	----	----	----	R10 Xn; R65 Xi; R38 R43 N; R50-53
Limonene (D-)	: Between 0.01 and 0.1 %	5989-27-5	227-813-5	601-029-00-7	R10 Xi; R38 R43 N; R50-53



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3. COMPOSITION / INFORMATION ON INGREDIENTS (continued)

Substance name	Contents	CAS No	EC No	Index No	Classification
2-bromo-2-nitropropane-1,3-diol	: Between 0.01 and 0.1 %	52-51-7	200-143-0	603-085-00-8	Xn; R21/22 Xi; R37/38-41 N; R50

INCI : SODIUM LAURETH SULFATE
POTASSIUM COCOATE
LAURYL GLUCOSIDE
Sodium octyl sulfate
PARFUM
LIMONENE
2-BROMO-2-NITROPROPANE-1,3-DIOL

4. FIRST AID MEASURES

First aid measures

- Inhalation : Not relevant.
- Skin contact : Rinse immediately with plenty of water.
- Eye contact : Rinse immediately with plenty of water.
- Ingestion : Drink promptly large quantities of milk, egg whites, gelatin solutions, or if these are not available, drink large quantities of water.
Do not induce vomiting.

Note to physician : Treat symptomatically.

Workplace equipment : No specific recommendations.

5. FIRE-FIGHTING MEASURES

- Specific hazards** : None.
- Extinguishing media**
- Suitable extinguishing media : All extinguishing media can be used.
 - Unsuitable extinguishing media : None.
- Protection against fire** : Exercise caution when fighting any chemical fire.
See Heading 8.

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions** : Spill area may be slippery.
Equip cleanup crew with proper protection.
See Heading 8.
- Environmental precautions** : Avoid release to the environment.
- Clean up methods** : Recover usable material in a clean closable container for reuse. Sweep up contaminated material and dispose of as chemical waste. Remove the remainder with water.

7. HANDLING AND STORAGE

- Protection against fire** : Not expected to be a fire/explosion hazard under normal conditions of use.
- Storage** : Store in a cool and frost-free place.
- Handling** : Wear waterproof gloves in case of frequent contact with undiluted product.



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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protection

- **Skin protection** : No special clothing/skin protection equipment is recommended under normal conditions of use.
Wear waterproof gloves (preferably neoprene or nitrile rubber) in case of intensive use or contact with undiluted product.
 - **Eye protection** : Wear safety goggles when clearing accidentally released material and if there is a risk of splashing.
 - **Respiratory protection** : Not relevant.
- Environment protection see § 6

9. PHYSICAL AND CHEMICAL PROPERTIES

- Physical state at 20 °C** : Liquid.
- Colour** : Slightly yellow.
- Odour** : Citrus fruits.
- pH value (concentrated product)** : 8.25
- Density** : 1,03 kg/l
- Viscosity** : 578 cP
- Solubility in water** : Complete.
- Flash point [°C]** : > 100
- Volatile Organic Compounds (%)** : 0.08
- Explosion limits** : No data available.
- Oxidising properties** : None.

10. STABILITY AND REACTIVITY

- Stability and reactivity** : No decomposition under normal conditions of storage and use.
- Conditions to avoid** : Do not store <0°C and >40°C.
- Materials to avoid** : None.
- Hazardous decomposition products** : None under normal conditions.

11. TOXICOLOGICAL INFORMATION

- Eye irritation (RBC test: Mean Indices Ocular Irritancy)** : 21.6
- Skin irritation (RBC test: Denaturation Index)** : 49.5% (Sodiumdodecylsulphate= 100%)
- Evaluation of the security for the human health**
 - **Dermal** : Not or only slightly irritant due to the composition.
 - **Ocular** : Not or only slightly irritant due to the composition.
 - **Ingestion** : Hardly toxic (LD 50 rat-oral-theoretical 5000-15000 ppm).
- Sensitization** : This product contains sensitizing fragrance components > 100 ppm: see § 2 and 15.
- Note** : Contains only ELINCS or EINECS registered raw materials and does not contain any ingredients known to be mutagenic, carcinogenic, teratogenic or reproduction toxic (R45,46,47,49,60,61,63,64, EU 97/C234, 67/548/EEC, 88/379/EEC, OSHA, NTP, IARC/ARAB (cat 1-3)).

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12. ECOLOGICAL INFORMATION

Ecological effects information

Biodegradation [%] Sapromat respirometry test (OECD 301 F) : 97.1 Biodegradable.

Biodegradation: Coupled Unit test (OECD 303A) % : 84 Biodegradable.

EC50 72h Algae (Selenastrum capricornutum) [ppm] (OECD 201) : 500.5 Hardly toxic.

48 Hour EC50 Daphnia magna [ppm] (OECD 202) : 61.8 Slightly toxic

Remarks : Ecover products do not contain any bioaccumulating raw materials and no PCM or nitromusk perfume components. The surface active components used in this product fulfill all of the biodegradability requirements of EC regulation 648/2004.

13. DISPOSAL CONSIDERATIONS

Product : Waste of this product is considered chemical waste. The legislation concerning disposal of waste can differ from one country/state to another. The disposal should therefore be done according to national or local waste legislation. If in doubt, ask the local waste management authority for advice (also see § 6 and § 8 when disposing of).

Packaging : The empty packaging of this product is not subject to ADR. Cleaned empty packaging (including labels and caps) is fully recyclable (HDPE + PP); they may be collected selectively for recycling according to national or local waste legislation. Uncleaned packaging should be disposed of as chemical waste.

14. TRANSPORT INFORMATION

General information : Not classified.

15. REGULATORY INFORMATION

Symbol(s) : None.

R Phrase(s) : None.

S Phrase(s) : S2 : Keep out of the reach of children.

EEC Composition of detergents : < 5% : - Nonionic surfactants - Soap
 5% - 15% : - Anionic surfactants
 Perfumes
 2-BROMO-2-NITROPROPANE-1,3-DIOL.
 LIMONENE.

16. OTHER INFORMATION

Training advice : For correct use of this product: see Technical Data Sheet.

List of relevant R phrases (heading 3) : R10 : Flammable.
 R21/22 : Harmful in contact with skin and 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.



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16. OTHER INFORMATION (continued)

Sources of key data used	R50/53 : Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R65 : Harmful : may cause lung damage if swallowed. : Gloxhuber C, Künstler K, 1992. Anionic Surfactants, Surfactant Science Series 43, ed M.Dekker. MSDS and additional literature data of the respective suppliers. Chemical cards, 12th edition, 1997, ed. MIA, VMCI, Samson Comprehensive guide to chemical resistant best gloves for various amounts of exposure, 1999, ver.3.5 www
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The contents and format of this SDS are in accordance with Regulation (EC) No 1907/2006

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