



MATERIAL SAFETY DATA SHEET

According to 2001/58EC

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Revised edition no : 1

Date : 13 / 12 / 2005

Supersedes : 0 / 0 / 0

Multi-surface cleaner**31103096**

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

Trade name : Multi-surface cleaner
Type of product : Liquid.
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 : No special hazards in normal use. Narcotic effects, dizziness and headaches may occur with high vapour concentrations.
- 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 or cracked.
- Eye contact : Irritation to eyes.
- Ingestion : Headache.
Abdominal pain.
Diarrhea.
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% : - Anionic surfactants - Nonionic surfactants - Soap
Perfumes - Preservatives
2-BROMO-2-NITROPROPANE-1,3-DIOL.
LIMONENE.

Substance name	Contents	CAS No	EC No	Index No	Classification
Ethanol	: Between 1 and 10 %	64-17-5	200-578-6	603-002-00-5	F; R11
Alkyl Poly Glycoside C10-16	: Between 1 and 10 %	110615-47-9	POLYMER	----	Xi; R38-41
Perfume	: Between 0.1 and 1 %	----	----	----	Xi; R38 R43 N; R50-53
Limonene (D-)	: Between 0.1 and 1 %	5989-27-5	227-813-5	601-029-00-7	R10 Xi; R38 R43 N; R50-53
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 : ALCOHOL
LAURYL POLYGLUCOSE
PARFUM
LIMONENE



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3. COMPOSITION / INFORMATION ON INGREDIENTS (continued)

2-BROMO-2-NITROPROPANE-1,3-DIOL

4. FIRST AID MEASURES

First aid measures

- Inhalation : Not relevant.
 - Skin contact : Rinse affected area thoroughly with water to remove concentrated product. Remove contaminated clothing.
 - Eye contact : Rinse immediately with plenty of water. Seek medical attention if ill effect or irritation develops.
 - Ingestion : In case of ingestion of large quantities, let the victim drink plenty of water and seek medical attention. Do not induce vomiting!
- Note to physician** : No specific recommendations.
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. Avoid contact with skin and eyes. 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, dark and frost-free place in a closed packaging.
- Handling** : Avoid contact with skin and eyes.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- Personal protection**
- Skin protection : Wear waterproof gloves when taking up intensively material which is accidentally released. Persons with a sensitive skin are also recommended to wear waterproof gloves.
 - Eye protection : Wear safety goggles when clearing accidentally released material and if there is a risk of splashing.
 - Respiratory protection : None under normal conditions.
- Environment protection see § 6**



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8. EXPOSURE CONTROLS / PERSONAL PROTECTION (continued)

Occupational Exposure Limits : Ethanol : MAC [mg/m³] : 1900
Ethanol : MAC [ppm] : 1000

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state at 20 °C : Liquid.
Colour : Slightly yellow.
Odour : Citrus fruits.
pH value (concentrated product) : 8,5
Density : 1,00 kg/l
Viscosity : 66 cP
Solubility in water : Complete.
Flash point [°C] : 55 - 100
Volatile Organic Compounds (%) : 4.47
Explosion limits : Above 56°C explosive vapour/air mixtures may be formed.
Oxidising properties : None.

10. STABILITY AND REACTIVITY

Stability and reactivity : No decomposition under normal conditions of storage and use.
Prolonged storage with exposure to light and high temperatures causes decomposition.
Conditions to avoid : Do not store <0°C and >40°C.
Materials to avoid : Acids.
Do not mix with other cleaning products.
Reacts violently with strong oxidising agents, causing fire and explosion hazard.
Hazardous decomposition products : None under normal conditions.

11. TOXICOLOGICAL INFORMATION

Eye irritatie (RBC test: Mean Indices : 12
Ocular Irritancy)
Skin irritation (RBC test: Denaturation : 9.4 (Sodiumdodecylsulfate= 100%)
Index)
Evaluation of the security for the human health
- Dermal : Not irritant due to the composition of the material.
- Ocular : Not or only slightly irritant due to the composition.
- Ingestion : Hardly toxic (LD 50 rat-oral-theoretic >14000 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)).

12. ECOLOGICAL INFORMATION

Ecological effects information
Biodegradation [%] Sapromat respirometry test (OECD 301 F) : 84

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12. ECOLOGICAL INFORMATION (continued)

EC50 72h Algae (*Selenastrum capricornutum*) [ppm] (OECD 201) : 111 Hardly toxic.
 48 Hour EC50 *Daphnia magna* [ppm] (OECD 202) : 302.8 Hardly toxic.
 Rotifer toxicity (*Brachionus calyciflorus*) EC50 24h (ppm) (ASTM E1440-91) : > 100 Hardly toxic.
 Microbial toxicity EC50 (*Microtox* EC50 15min) (ppm) (DIN 38-412-L34) : 44 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

R Phrase(s) : None.
S Phrase(s) : S2 : Keep out of the reach of children.
Further Phrases : Contains Limonene. May produce an allergic reaction.
EEC Composition of detergents : < 5% : - Anionic surfactants - Nonionic surfactants - Soap
 Perfumes - Preservatives
 LIMONENE.
 2-BROMO-2-NITROPROPANE-1,3-DIOL.

16. OTHER INFORMATION

Training advice : For correct use of this product: see Technical Data Sheet.
List of relevant R phrases (heading 3) : R10 : Flammable.
 R11 : Highly flammable.
 R21/22 : Harmful in contact with skin and if swallowed.
 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.
Sources of key data used : 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



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16. OTHER INFORMATION (continued)

Revision : exposure, 1999, ver.3.5 www
: First version of this MSDS in this new format.
Print date : 10 / 1 / 2008

The contents and format of this SDS are in accordance with EEC Commission Directive 2001/58EC.

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