



MATERIAL SAFETY DATA SHEET

According to 2001/58EC

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Revised edition no : 4

Date : 28 / 11 / 2007

Supersedes : 28 / 9 / 2006

Toilet cleaner pine**31107263**

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

Trade name : Toilet cleaner pine
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 : 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 : 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
Perfumes - Preservatives
SODIUM BENZOATE.
LINALOOL, LIMONENE.

Substance name	Contents	CAS No	EC No	Index No	Classification
Citric acid	: Between 1 and 10 %	77-92-9	201-069-1	----	Xi; R36/37/38
Alkyl Poly Glycoside C10-16	: Between 1 and 10 %	110615-47-9	POLYMER	----	Xi; R38-41
Perfume	: Between 0.1 and 1 %	----	----	----	R43 N; R51-53
Sodium benzoate	: Between 0.1 and 1 %	532-32-1	208-534-8	----	
Linalool	: Between 0.01 and 0.1 %	78-70-6	201-134-4	----	
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

INCI : CITRIC ACID
LAURYL POLYGLUCOSE
PARFUM
SODIUM BENZOATE
LINALOOL
LIMONENE



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4. FIRST AID MEASURES

First aid measures

- Inhalation : Assure fresh air breathing.
- Skin contact : Flush with plenty of water.
- Eye contact : Rinse for a long time with cold, running water.
- Ingestion : Wash out mouth and do not induce vomiting! Let the victim drink 2 glasses of water on his own.

Seek medical advice.

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.
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 in a closed packaging.
Keep out of the reach of children.**Handling** : Wear waterproof gloves in case of frequent contact with undiluted product.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protection

- Skin protection : Wear suitable gloves in case of frequent contact with undiluted product.

- 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

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state at 20 °C : Liquid.**Colour** : White.**Odour** : Acidic.**pH value (concentrated product)** : 3,1

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9. PHYSICAL AND CHEMICAL PROPERTIES (continued)

Density : 1,02 kg/l
 Viscosity at 25°C [mPa.s] (Brookfield LVT) : 7000
 Solubility in water : Complete.
 Flash point [°C] : > 100
 Volatile Organic Compounds (%) : 0.4
 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 : Do not mix with other cleaning products (and certain not with chlorous products).
 Hazardous decomposition products : None under normal conditions.

11. TOXICOLOGICAL INFORMATION

Eye irritation (RBC test: Mean Indices Ocular Irritancy) : No data available.
 Skin irritation (RBC test: Denaturation Index) : No data available.
 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)).

12. ECOLOGICAL INFORMATION

Ecological effects information
 Biodegradation [%] Sapromat respirometry test (OECD 301 F) : 95
 EC50 72h Algae (Selenastrum capricornutum) [ppm] (OECD 201) : > 1000 Not toxic.
 48 Hour EC50 Daphnia magna [ppm] (OECD 202) : 588 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) : 99.4 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.

Toilet cleaner pine**31107263****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.
- * **EEC Composition of detergents** : < 5% : - Nonionic surfactants
Perfumes - Preservatives
LINALOOL, LIMONENE.
SODIUM BENZOATE.

16. OTHER INFORMATION

- Training advice** : For correct use of this product: see Technical Data Sheet.
- List of relevant R phrases (heading 3)** : R10 : Flammable.
R36/37/38 : Irritating to eyes, respiratory system and skin.
R38 : Irritating to skin.
R41 : Risk of serious damage to eyes.
R43 : May cause sensitization by skin contact.
R50/53 : Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R51/53 : 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 exposure, 1999, ver.3.5 www
- Revision** : Revision - See : *
- Print date** : 6 / 12 / 2007

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

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