



EU SAFETY DATA SHEET in accordance with EU-Directive 2001/58/EC

Latest update 17/03/2004

TOILET CLEANER

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Trade name TOILET CLEANER
Supplier details ECOVER BELGIUM NV
Address Industrieweg 3, 2390 Malle, Belgium
Telephone +32 (0)3 309 25 00 Fax +32 (0)3 311 72 70
Emergency phone +32 (0)70 245 245
Telephone manager on guard +32 0473 94 49 97
Composition Cleaning product for periodic cleaning and decalcifying toilets and bathroom.

2. COMPOSITION/INFORMATION ON THE INGREDIENTS

Ingredients according to 67/548/EEC	% w/w	Symbol	CAS / EINECS-ELINCS
Non-ionic sugar detergent	1-5	Xi;36/38	

3. HAZARDS IDENTIFICATION

Fire No specific risks when used normally.
Inhalation No specific risks when used normally.
Skin contact Irritation.
Eye contact Irritation, redness, pain.
Ingestion Nausea, stomachache and vomiting.

4. FIRST AID MEASURES

Inhalation Not relevant.
Skin contact Rinse with water.
Eye contact Rinse for a long time with cold, running water.
Ingestion Drink plenty of water or milk, do not induce vomiting!
Workplace equipment No specific recommendations.
Hints for the physician No specific recommendations.



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5. FIRE-FIGHTING MEASURES

Suitable fire extinguishing media	All extinguishing agents are allowed in case of fire in the immediate surroundings.
Non suitable media	None.
Special exposure hazards	None.
Protection against fire and explosions	Observe normal precautions for handling chemicals. For personal protection see also § 8.

6. ACCIDENTAL RELEASE MEASURES

Environmental precaution	Do not allow concentrated or diluted product to enter the soil or surface water.
Methods for cleaning up	Recover spilled material as much as possible in a clean container for reuse. Large amounts of spilled product must be collected with a squeegee and disposed of as chemical waste according to applicable regulations. Rinse away remainder with water.
Personal precaution	Spilled product may render the floor slippery. Avoid contact with unprotected skin and eyes. Wear protective clothing (see § 8).

7. HANDLING AND STORAGE

Handling	Wear suitable gloves in case of frequent contact with undiluted product
Fire-and explosion protection	Not relevant.
Storage	Store in a cool and frost-free place, out of reach of children.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Skin protection	Normal use excludes any direct contact with the skin. Wear waterproof gloves (preferably neoprene or nitrile rubber) in case of intensive use or contact with neat product.
Eye protection	No specific recommendations.
Respiratory protection	Not relevant.
Environment protection see § 6	
<u>Ingredients with limit values regarding the working area</u>	



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9. PHYSICAL AND CHEMICAL PROPERTIES				
Appearance	liquid, tixotropic	Relative density 20°C	1,02	kg/l
Colour	white	pH conc 20°C	3.1	pH 1% 7
Odeur	acid	Viscosity 25°C Brookfield LVT	7000	mPa.s
Flash point	>100°C	Solubility in water 20°C	complete	
Self-ignition temperature	Not determined.			
Oxydation properties	None.			

10 . STABILITY AND REACTIVITY	
Stability	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 (especially not with chlorous products).
Hazardous decomposition products	No dangerous decomposition products known.

11. TOXICOLOGICAL INFORMATION		Evaluation
Skin irritation (RBC test: Denaturation Index)	7.4 % (Sodiumdodecylsulphate = 100%)	very toxic
Eye irritatie (RBC test: Mean Indices Ocular Irritancy)	8.7	
Remark		
- Skin		
- Eye	Hardly irritating.	
- Oral	Hardly toxic (LD 50 rat-ori-theo 5000-15000 ppm).	
Sensibilisation	This product contains sensitizing fragrance components (geraniol (CAS 106-24-1) and citral (CAS 8007-02-1)).	
Remark	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		Evaluation
Biodegradation acc. to Sapromat respirometry test (OECD 301F)	75 %	Completely biodegradable
Biodegradation acc. to Coupled Units test (OECD 303A)	%	
Biodegradation acc. to Stable Metabolite test	%	
Daphnia toxicity (Daphnia magna) EC 50 48h OECD 202	>100 ppm	hardly not toxic
Rotifer toxicity (Brachionus calyciflorus) EC50 24h ASTM E1440-91	>100 ppm	hardly not toxic
Algal toxicity (selenastrum capricornutum) EC50 72h OECD 201	ppm	not tested
Bacterial toxicity EC 50 (Microtox EC50 15min) DIN 38-412-L34	99.4 ppm	hardly not toxic
<u>Remarks</u>	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 in line with EU directives 73/404 and 73/404 (and their amendments).	
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	Cleaned empty packaging (including labels and caps) of this product is fully recyclable (HDPE + PE). Empty (and cleaned) packaging may be collected selectively for recycling according to national or local waste legislation. Uncleaned packaging should be disposed of as chemical waste. The empty packaging is not subject to ADR.	
14. TRANSPORT INFORMATION		
This product is not subject to ADR regulations.		
<u>Road transport</u>		
ADR/RID	Class	Number
UN N°		
ADR Symbol		



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15. REGULATORY INFORMATION

Symbols

R- phrases

R- Without any risks for man and environment acc. to 1999/45/EEC

S- phrases

S2 Keep out of reach of the children.

WGK classification (Germany) Non-hazardous to water

16. OTHER INFORMATION

For correct use of this product: see Technical Data Sheet

Consulted literature

Chemiekaarten, 12th edition, 1997, ed. MIA, VMCI, Samson
Comprehensive guide to chemical resistant best gloves for various amounts of exposure, 1999, ver.3.5 www
MSDS of the respective suppliers.

This information herein only regards the product mentioned in § 1 and does not necessarily apply to its use combined with any other product(s) or specific process. This information is accurate and complete to our best current knowledge and is presented in good faith but without any warranty, express or implied. It remains the responsibility of the user to ensure himself this information is applicable and complete with respect to the intended use.

Revision of former version 01/02/2003. Changes in relation to the former version were made in headings: §1, §2, § 6, §8, §12, §13, §15.