



EU Material Safety Data Sheet in accordance with directive 2001/58EEC
latest update 04/06/2004

TECHNO FLOOR

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Trade name TECHNO FLOOR
Supplier details ECOVER BELGIUM NV
Adress Industrieweg 3 2390 Oostmalle Belgium
Telephone 0032 (0)3 309 25 00 Fax 0032 (0) 311 72 70
Emergency phone 0032 (0)70 245 245
Telephone manager on guard 0032 0473 94 49 97
Composition Neutral floor cleaner/degreaser

2. COMPOSITION/INFORMATION ON THE INGREDIENTS

Ingredients according to 67/548/EEC	% w/w	Symbol	CAS/EINECS-ELINCS°
Dipropyleneglycol methylether (DPM)	1-5	/	34590-94-8/252-104-2
Propyleneglycol butylether (PNB)	1-5	Xi, R36/38	5131-66-8/225-878-4
Nonionic detergents	5-15	Xn, R22, R36	

3. HAZARDS IDENTIFICATION

Fire No specific risks when used normally.

Inhalation No special hazards in normal use. Irritation of the bronchial tract, narcotic effects, dizziness and headaches may occur with high vapour concentrations.

Skin contact Prolonged and repeated contact may cause defatting of the skin.

Eye contact Slightly irritant.

Ingestion Bitrex renders it virtually impossible to ingest this product.

4. FIRST AID MEASURES

Inhalation Carry the victim to fresh air. If the victim has stopped breathing, apply artificial respiration. If the victim has difficulty breathing, administer oxygen and advise a physician.

Skin contact Rinse affected area thoroughly with water to remove concentrated product. Remove contaminated clothing.

Eye contact Rinse immediately and for a long time with plenty of water (also assure adequate flushing under the eyelids and if possible after having removed contact lenses). Seek medical attention if the irritation persists.

Ingestion Wash out mouth and do not induce vomiting! If large amounts have been swallowed (more than 2 swallows), administer 50 g of active carbon in 2 glasses of water. Seek medical attention.

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	The normal precautions when handling chemicals should be respected. For personal protection see §.8.

6. ACCIDENTAL RELEASE MEASURES

Environmental precaution	Avoid at all times the discharge of concentrated or diluted product into 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 absorbent material and dispose of as chemical waste. Rinse away remainder with water.
Personal precaution	Spilled product may render the floor slippery. Avoid contact with unprotected skin and eyes.

7. HANDLING AND STORAGE

Handling	Avoid contact with unprotected skin and eyes.
Fire-and explosion protection	Not relevant.
Storage	Store in a cool and frost-free place in a closed packaging, Ventilation trough floor.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal protective equipment

Skin protection	Always wear clothing that covers all parts of your body. Direct skin contact should not occur with normal use. Wear waterproof gloves when cleaning up any accidentally released product (natural rubber, butyl rubber or polyethylene are recommended; neoprene and PVC are less suitable).
Eye protection	Wear safety goggles if there is a risk of splashing.
Respiratory protection	Ventilation.

Environment protection see § 6

Ingredients with limit values regarding the working area

DPM (34590-94-8) MAC: 50 ppm, 300 mg/m³ (OSHA PEL 100 ppm skin). PNB (5131-66-8): no MAC value specified, but limited literature data and the very low vapour pressure suggest a similar response. Evaporation of these materials at room temperature will not result in an atmospheric concentration that is harmful to health, or will do so only very slowly. DPM and PNB are readily absorbed through the skin.



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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	liquid	Relative density 20°C	1,00	kg/l
Colour	opaque white	pH 100% 20°C	8	pH 1% 7
Odeur	fantasy	Viscosity 25°C Brookfield LVT	<50	mPa.s
Flash point	>100°C	Solubility in water 20°C	completely	
Explosion hazard	None.			
Oxydation properties	Noen.			

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	None.
Hazardous decomposition products	No dangerous decomposition products known.

11. TOXICOLOGICAL INFORMATION

Evaluation

Skin slime irritation (RBC test: Invitox 99)	807 ppm	slight irritant
Remark		
- Skin	Not or only slightly irritant due to the composition of the material.	
- Eye	Not or only slightly irritant due to the composition of the material.	
- Oral	Hardly toxic (LD 50 rat-oral-theo >2600 ppm). Oral ingestion is virtually impossible due to the use of Bitrex.	
Sensibilisation	To the best of our knowledge, this product contains no sensitizing raw materials. Prolonged and repeated contact with the skin may cause defatting of the skin which may lead to dermatitis.	
Remark	All Techno Green products contain only ELINCS or EINECS registered raw materials and do 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 (cat 1-3))	



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12. ECOLOGICAL INFORMATION		Evaluation
Biodegradation acc. to Sapromat respirometry test (OECD 301F)	66 %	completely biodegradable
Daphnia toxicity (Daphnia magna) EC 50 48h OECD 202	49 ppm	moderate toxic
Rotifer toxicity (Brachionus calyciflorus) EC50 24h ASTM E1440-91	ppm	not tested
Algal toxicity (selenastrum capricornutum) EC50 72h OECD 201	109 ppm	hardly not toxic
Bacterial toxicity EC 50 (Microtox EC50 15min) DIN 38-412-L34	ppm	not tested
<u>Remarks</u>	Ecover products do not contain any bioaccumulating raw materials and no PCM or nitromusk perfume components.	

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 authoroty for advice. (also see § 6 and § 8 when disposing of).
Packaging	The empty packaging is not subject to ADR. Uncleaned packaging should be disposed of as residual waste. Cleaned empty packaging may be collected selectively for recycling.

14. TRANSPORT INFORMATION	
This product is not subject to ADR	
<u>Road transport</u>	
ADR/RID	Class Number
UN N°	
ADR Symbol	



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15. REGULATORY INFORMATION

Symbols

None.

R- phrases

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

S- phrases

16. OTHER INFORMATION

For correct use of this product: see Technical Data Sheet

Consulted literature

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

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.