

Techno Multi

CODE: 32102055

1 IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY

Trade name : Techno Multi
 Type of product : Liquid.
 Use : Industrial.
 Company identification : Ecover Belgium NV
 Industrieweg 3
 2390 Malle Belgium
 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 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
 Perfumes - Preservatives
 LIMONENE, 2 - (4 - TERT - BUTYLBENZYL)PROPIONALDEHYDE, LINALOOL,
 CITRONELLOL.
 2-BROMO-2-NITROPROPANE-1,3-DIOL.

Substance name	Contents	CAS No	EC No	Index No	Classification
Sodium Lauryl Ether Sulfate	: Between 1 and 10 %	68891-38-3	POLYMER	----	Xi; R38-41
Dipropyleneglycol Methylether	: Between 1 and 10 %	34590-94-8	252-104-2	----	R10
3-butoxypropan-2-ol (PNB)	: Between 1 and 10 %	5131-66-8	225-878-4	603-052-00-8	Xi; R36/38
Ethoxylated Fatty Alcohol C12-18	: Between 0.1 and 1 %	68213-23-0	----	----	Xn; R22 Xi; R41
Perfume	: Between 0.1 and 1 %	----	----	----	Xi; R38 R43 N; R51-53
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
2-(4-tert-Butyl benzyl) propionaldehyde (Lilial)	: Between 0.01 and 0.1 %	80-54-6	201-289-8	----	Xn; R22 R43
Citronellol	: Between 0.01 and 0.1 %	106-22-9	203-375-0	----	Xi; R38 R43 N; R51-53
2-bromo-2-nitropropane-1,3-diol	: < 0.01 %	52-51-7	200-143-0	603-085-00-8	Xn; R21/22 Xi; R37/38-41 N; R50

INCI : SODIUM LAURETH SULFATE
 PPG-2 METHYL ETHER
 BUTOXYPROPANOL
 Alcohol(C12-18)EO(>5-10)
 PARFUM
 LIMONENE
 2 - (4 - TERT - BUTYLBENZYL)PROPIONALDEHYDE
 CITRONELLOL
 2-BROMO-2-NITROPROPANE-1,3-DIOL

Techno Multi**CODE: 32102055****3 HAZARDS IDENTIFICATION**

- Hazards identification** : Not classified as dangerous product.
- Symptoms relating to use**
- **Inhalation** : None under normal conditions.
Overexposure may cause :
Cough.
Sore throat.
Headache.
Dizziness.
 - **Skin contact** : Prolonged or repeated contact may cause skin to become dry.
 - **Eye contact** : Slight eye irritant.
 - **Ingestion** : Abdominal pain.
Nausea.
Weakness.

4 FIRST AID MEASURES

- First aid measures**
- **Inhalation** : Fresh air, rest in half sitting position. Seek medical advice.
 - **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** : Wash out mouth and do not induce vomiting. Seek medical attention.
- 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 spilled material as much as possible in a clean container for reuse.
Spilled product must be collected with sand or an inert absorbent material and dispose of as chemical waste. Rinse away 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.
- Handling** : Avoid contact with skin and eyes.

Techno Multi**CODE: 32102055****8 EXPOSURE CONTROLS / PERSONAL PROTECTION****Personal protection**

- **Skin protection** : Wear waterproof gloves (preferably PVC or butylrubber) 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** : Ensure there is adequate ventilation.

Environment protection see § 6

- Occupational Exposure Limits** : Dipropylenglycol Methylether : MAC [mg/m³] : 300
Dipropylenglycol Methylether : MAC [ppm] : 50

9 PHYSICAL AND CHEMICAL PROPERTIES

- Physical state at 20 °C** : Liquid.
- Colour** : Blue.
- Odour** : Flower aroma.
- pH value (concentrated product)** : 10,5
- Density** : 1,01 kg/l
- Viscosity at 25°C [mPa.s] (Brookfield LVT)** : < 50 mPa.s
- Solubility in water** : Complete.
- Flash point [°C]** : > 100
- Volatile Organic Compounds (%)** : 4.38
- Explosion limits** : None.
- 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** : Acids.
Oxidizing agent.
- Hazardous decomposition products** : DPM may form peroxides.

11 TOXICOLOGICAL INFORMATION

- Skin irritation (RBC test: Denaturation Index) (ppm)** : 445 Slight irritant.
- 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** : Relatively harmless (LD 50 rat-ori-theo >22000 ppm).
- Sensitization** : This product contains sensitizing fragrance components > 100 ppm: see § 2 and 15.
- Note** : All Techno Green products contain only ELINCS or EINECS registred 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))

Techno Multi**CODE: 32102055****12 ECOLOGICAL INFORMATION****Ecological effects information**

Biodegradation [%] Sapromat respirometry test (OECD 301 F) : 83 Biodegradable.

EC50 72h Algae (Selenastrum capricornutum) [ppm] (OECD 201) : > 1000 Not toxic.

48 Hour EC50 Daphnia magna [ppm] (OECD 202) : 224 Hardly toxic.

Remarks : Techno Green 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 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)** : None.**Further Phrases** : Contains : - Perfume. May produce an allergic reaction.**EEC Composition of detergents** : < 5% : - Anionic surfactants - Nonionic surfactants
Perfumes - Preservatives
LIMONENE, 2 - (4 - TERT - BUTYLBENZYL)PROPIONALDEHYDE, LINALOOL,
CITRONELLOL.
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 2)** : R10 : Flammable.
R21/22 : Harmful in contact with skin and if swallowed.
R22 : Harmful if swallowed.
R36/38 : Irritating to eyes and skin.
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.
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, 21th edition, 2006, ed. MIA, VMCI, Samson



MATERIAL SAFETY DATA SHEET
According to 2001/58EC

Page : 5

Revised edition no : 2

Date : 14/3/2006

Supersedes : 3/3/2006

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16 OTHER INFORMATION (continued)

Comprehensive guide to chemical resistant best gloves for various amounts of exposure, 1999, ver.3.5 www

Revision

: First version of this MSDS in this new format.

Print date

: 25/7/2006

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

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