

**Techno Multi**

**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  
 Industrierweg 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. 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.

**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  
 Perfumes  
 2 - (4 - TERT - BUTYLBENZYL)PROPIONALDEHYDE, LINALOOL,  
 CITRONELLOL, LIMONENE.

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
Dipropylene glycol 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
Linalool	: Between 0.01 and 0.1 %	78-70-6	201-134-4	----	
Citronellol	: Between 0.01 and 0.1 %	106-22-9	203-375-0	----	Xi; R38 R43

**Techno Multi****32102055****3. COMPOSITION / INFORMATION ON INGREDIENTS (continued)**

N; R51-53

**INCI** : SODIUM LAURETH SULFATE  
PPG-2 METHYL ETHER  
BUTOXYPROPANOL  
Alcohol(C12-18)EO(>5-10)  
PARFUM  
LIMONENE  
2 - (4 - TERT - BUTYLBENZYL)PROPIONALDEHYDE  
LINALOOL  
CITRONELLOL

**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, dark and frost-free place in a closed packaging.  
**Handling** : Avoid contact with skin and eyes.

**Techno Multi****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.  
Wear suitable protective clothing.
- **Eye protection** : Wear safety goggles when clearing accidentally released material and if there is a risk of splashing.
- **Respiratory protection** : Ensure sufficient ventilation. When exposed to high vapor concentrations wear a respirator for organic vapors (type A).

**Environment protection see § 6**

- Occupational Exposure Limits** : Dipropylenglycol Methylether : MAC [mg/m<sup>3</sup>] : 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 (Invitox n°99) (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 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))

**Techno Multi****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.**EEC Composition of detergents** : < 5% : - Anionic surfactants - Nonionic surfactants  
Perfumes  
2 - (4 - TERT - BUTYLBENZYL)PROPIONALDEHYDE, LINALOOL,  
CITRONELLOL, LIMONENE.**16. OTHER INFORMATION****Training advice** : For correct use of this product: see Technical Data Sheet.**List of relevant R phrases (heading 2)** : R10 : Flammable.  
R22 : Harmful if swallowed.  
R36/38 : Irritating to eyes 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, 21th edition, 2006, ed. MIA, VMCI, Samson  
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** : 28 / 3 / 2008



**MATERIAL SAFETY DATA SHEET  
According to 2001/58EC**

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**16. OTHER INFORMATION (continued)**

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

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