

**Techno San**

**CODE: 32105275**

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

Trade name : Techno San  
 Type of product : Liquid.  
 Use : For professional use only.  
 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 contains hazardous components (Directive 67/548/EEC).  
 Composition : Regulation (CE) No. 648/2004 of 31 March 2004 on detergents:  
 < 5% : - Anionic surfactants - Amphoteric surfactants - Nonionic surfactants  
 Perfumes - Preservatives  
 LIMONENE.  
 TRIS (HYDROXYMETHYL) NITROMETHANE, 2-BROMO-2-NITROPROPANE-1,  
 3-DIOL.

Substance name	Contents	CAS No	EC No	Index No	Classification
Ethanol	: Between 1 and 10 %	64-17-5	200-578-6	603-002-00-5	F; R11
Sodium Lauryl Ether Sulfate	: Between 1 and 10 %	68891-38-3	POLYMER	-----	Xi; R38-41
Lactic acid	: Between 1 and 10 %	79-33-4	201-196-2	-----	Xi; R37/38-41
Alkyl(lauryl)dimethylbetaine	: Between 1 and 10 %	683-10-3	211-669-5	-----	Xi; R38-41
Perfume	: Between 0.1 and 1 %	-----	-----	-----	R10 Xn; R65 N; R51-53
Alkyl Poly Glycoside C8-10	: Between 0.1 and 1 %	68515-73-1	POLYMER	-----	Xi; R41
Alkyl Poly Glycoside C10-16	: Between 0.1 and 1 %	110615-47-9	POLYMER	-----	Xi; R38-41
Limonene (D-)	: Between 0.1 and 1 %	5989-27-5	227-813-5	601-029-00-7	R10 Xi; R38 R43 N; R50-53
Denatonium benzoate (Bitrex)	: Between 0.1 and 1 %	3734-33-6	223-095-2	-----	Xn; R20
Trishydroxymethylnitromethane	: Between 0.01 and 0.1 %	126-11-4	204-769-5	-----	Xn; R22
2-bromo-2-nitropropane-1,3-diol	: Between 0.01 and 0.1 %	52-51-7	200-143-0	603-085-00-8	Xn; R21/22 Xi; R37/38-41 N; R50

INCI : ALCOHOL  
 SODIUM LAURETH SULFATE  
 Lactic acid  
 LAURYL BETAINE  
 PARFUM  
 CAPRYL GLUCOSIDE  
 LAURYL POLYGLUCOSE  
 LIMONENE  
 DENATONIUM BENZOATE  
 TRIS (HYDROXYMETHYL) NITROMETHANE  
 2-BROMO-2-NITROPROPANE-1,3-DIOL

**Techno San****CODE: 32105275****3 HAZARDS IDENTIFICATION**

- Hazards identification** : Not classified as dangerous product.
- Symptoms relating to use**
- **Inhalation** : None under normal conditions.
  - **Skin contact** : Prolonged or repeated contact may cause skin to become dry.
  - **Eye contact** : Irritation to eyes.
  - **Ingestion** : Bitrex makes it virtually impossible to ingest this product.

**4 FIRST AID MEASURES**

- First aid measures**
- **Inhalation** : Not relevant.
  - **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. Seek medical attention if the irritation persists. Inadequate first aid may lead to persisting eye complaints.
  - **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** : Treat symptomatically.
- 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.

**8 EXPOSURE CONTROLS / PERSONAL PROTECTION**

- Personal protection**
- **Skin protection** : Wear waterproof gloves when taking up intensively material which is accidentally released.

**Techno San****CODE: 32105275****8 EXPOSURE CONTROLS / PERSONAL PROTECTION (continued)**

- Eye protection : Wear safety goggles when clearing accidentally released material.
- Respiratory protection : Not relevant.
- Environment protection see § 6
- Occupational Exposure Limits : Ethanol : MAC [mg/m<sup>3</sup>] : 1900  
Ethanol : MAC [ppm] : 1000

**9 PHYSICAL AND CHEMICAL PROPERTIES**

- Physical state at 20 °C : Liquid.
- Colour : Rose
- Odour : Citrus fruits.
- pH value (concentrated product) : 4
- Density : 1,04 kg/l
- Viscosity at 25°C [mPa.s] (Brookfield LVT) : 50
- Solubility in water : Complete.
- Flash point [°C] : 61
- Volatile Organic Compounds (%) : 3.64
- 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 : Do not mix with other cleaning products.
- Hazardous decomposition products : None under normal conditions.

**11 TOXICOLOGICAL INFORMATION**

- Skin irritation (RBC test: Denaturation Index) (ppm) : 360
- 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-oral-theoretic >22000 ppm). Bitrex makes it virtually impossible to ingest this product.
- 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))

**12 ECOLOGICAL INFORMATION**

- Ecological effects information
- Biodegradation [%] Sapromat respirometry test (OECD 301 F) : 87 Biodegradable.
- EC50 72h Algae (Selenastrum) : 105 Hardly toxic.

**Techno San****CODE: 32105275****12 ECOLOGICAL INFORMATION (continued)**

capricornutum) [ppm] (OECD 201)

48 Hour EC50 Daphnia magna [ppm] : 84 Slightly toxic  
(OECD 202)

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 should be disposed of chemical waste according to national or local waste legislation. Empty packaging is not subject to ADR.

**14 TRANSPORT INFORMATION**

General information : Not classified.

**15 REGULATORY INFORMATION**

R Phrase(s) : None.

S Phrase(s) : None.

Further Phrases : Contains : - Limonene (D-). May produce an allergic reaction.

EEC Composition of detergents : < 5% : - Anionic surfactants - Amphoteric surfactants - Nonionic surfactants  
Perfumes - Preservatives  
LIMONENE.  
TRIS (HYDROXYMETHYL) NITROMETHANE, 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.  
R11 : Highly flammable.  
R20 : Harmful by inhalation.  
R21/22 : Harmful in contact with skin and if swallowed.  
R22 : Harmful if swallowed.  
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.  
R65 : Harmful : may cause lung damage if swallowed.Sources of key data used : MSDS and additional literature data of the respective suppliers.  
Chemiekaarten, 12th edition, 1997, ed. MIA, VMCI, Samson.

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.



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

Page : 5

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Date : 22/3/2006

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