

**Techno Rinse****CODE: 32107165****1 IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY**

**Trade name** : Techno Rinse  
**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  
**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% - 15% : - Nonionic surfactants

Substance name	Contents	CAS No	EC No	Index No	Classification
Capryleth-9 Carboxylic Acid	> 1 <= 10 %	107600-33-9	----	----	Xi; R38-41
Hexeth-4 Carboxylic Acid	> 1 <= 10 %	105391-15-9	----	----	Xi; R38-41
Denatonium benzoate (Bitrex)	< 0.01 %	3734-33-6	223-095-2	----	Xn; R20

**INCI** : Capryleth-9 Carboxylic Acid  
Hexeth-4 Carboxylic Acid  
DENATONIUM BENZOATE

**3 HAZARDS IDENTIFICATION**

**Hazards identification** : Not classified as dangerous product.  
**Symptoms relating to use**  
- **Inhalation** : None under normal conditions.  
- **Skin contact** : Not expected to present a significant skin hazard under anticipated conditions of normal use.  
- **Eye contact** : Slight eye irritant.  
- **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 at least 15 minutes with copious amounts of water (also assure adequate flushing under the eyelids and if possible after having removed contact lenses). Bring the victim to an ophthalmist.  
- **Ingestion** : Rinse mouth.  
Give water to drink if victim completely conscious/alert.  
Seek medical attention immediately.  
Do not induce vomiting.  
**Note to physician** : No specific recommendations.  
**Workplace equipment** : No specific recommendations.

**Techno Rinse****CODE: 32107165****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 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 eyes.

**8 EXPOSURE CONTROLS / PERSONAL PROTECTION**

- Personal protection**
- **Skin protection** : Wear waterproof gloves when taking up intensively material which is accidentally released.
  - **Eye protection** : Wear safety goggles when clearing accidentally released material.
  - **Respiratory protection** : Not relevant.
- Environment protection** see § 6

**9 PHYSICAL AND CHEMICAL PROPERTIES**

- Physical state at 20 °C** : Liquid.
- Colour** : Colourless.
- Odour** : Odourless.
- pH value (concentrated product)** : 2
- Density** : 1,00 kg/l
- Viscosity at 25°C [mPa.s] (Brookfield LVT)** : < 50 mPa.s
- Solubility in water** : Complete.
- Flash point [°C]** : > 100
- Volatile Organic Compounds (%)** : 0
- Explosion limits** : None.
- Oxidising properties** : None.

**Techno Rinse****CODE: 32107165****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** : Bases.  
Do not mix with other cleaning products.
- Hazardous decomposition products** : None under normal conditions.

**11 TOXICOLOGICAL INFORMATION**

- Skin irritation (RBC test: Denaturation Index) (ppm)** : 10000 (not irritating).
- 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 >45000 ppm).  
Bitrex makes it virtually impossible to ingest this product.
- Sensitization** : To the best of our knowledge, this product contains no sensitizing raw materials.
- 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)** : No data available.
- EC50 72h Algae (Selenastrum capricornutum) [ppm] (OECD 201)** : > 1000 Not toxic.
- 48 Hour EC50 Daphnia magna [ppm] (OECD 202)** : > 1000 Not toxic.
- Remarks** : Techno Green products do not contain any bioaccumulating raw materials and no PCM or nitromusk perfume components.

**13 DISPOSAL CONSIDERATIONS**

- General** : Dispose in a safe manner in accordance with local/national regulations.
- 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 recycable (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.

**Techno Rinse****CODE: 32107165****15 REGULATORY INFORMATION**

R Phrase(s) : None.  
S Phrase(s) : None.  
EEC Composition of detergents : 5% - 15% : - Nonionic surfactants

**16 OTHER INFORMATION**

Training advice : For correct use of this product: see Technical Data Sheet.  
List of relevant R phrases (heading 2): R20 : Harmful by inhalation.  
R38 : Irritating to skin.  
R41 : Risk of serious damage to eyes.  
Sources of key data used : MSDS and additional literature data of the respective suppliers.  
Revision : First version of this MSDS in this new format.  
Print date : 28/2/2006

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

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