

**Techno Swan****32105242****1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY**

**Trade name** : Techno Swan  
**Type of product** : Liquid.  
**Use** : For professional use only.  
**Company identification** : Ecover Belgium NV  
Industrieweg 3  
2390 Malle Belgium  
**e-mail:** : sds@ecover.com  
**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** : According to the Preparation Directive 1999/45/EC this product is classified as:  
Irritating.  
**Risk Phrases** : R36/38 : Irritating to eyes and skin.  
**Symptoms relating to use**  
**- Inhalation** : None under normal conditions.  
Overexposure may cause :  
Cough.  
Sore throat.  
Shortness of breath.  
Breathing difficulties.  
**- Skin contact** : Redness, pain.  
May produce skin irritation.  
**- Eye contact** : Redness, pain.  
Irritation to eyes.  
**- Ingestion** : Abdominal pain.  
Sore throat.  
Nausea.  
Vomiting.

**3. 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% : - Nonionic surfactants

Substance name	Contents	CAS No	EC No	Index No	Classification
Formic acid	: Between 1 and 10 %	64-18-6	200-579-1	607-001-00-0	C; R35

Alkyl Poly Glycoside C8-10	: Between 1 and 10 %	68515-73-1	POLYMER	----	Xi; R41
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**INCI** : AQUA  
FORMIC ACID  
CAPRYL GLUCOSIDE  
XANTHAN GUM  
METHYL SALICYLATE  
CI 42051:2  
CI 47005

**Techno Swan****32105242****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. Seek medical attention if ill effect or irritation develops.
- **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** : 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 usable material in a clean closable container for reuse. Sweep up contaminated material and dispose of as chemical waste. Remove the 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. Keep away from:
  - Oxidizing agent.
  - Bases.
- Handling** : Avoid contact with skin and eyes.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

- Personal protection**
  - **Skin protection** : Wear waterproof gloves in case of frequent contact with undiluted product. Wear waterproof gloves and acid protective clothing when taking up intensively material which is accidentally released.
  - **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 inorganic vapors (type B).

**Techno Swan****32105242****8. EXPOSURE CONTROLS / PERSONAL PROTECTION (continued)**

Environment protection see § 6

Occupational Exposure Limits : Formic acid : MAC [mg/m<sup>3</sup>] : 9  
Formic acid : MAC [ppm] : 5**9. PHYSICAL AND CHEMICAL PROPERTIES**Physical state at 20 °C : Viscous liquid.  
Colour : Green.  
Odour : Oil.  
\* pH value (concentrated product) : 2,30  
Density : 1.021  
Solubility in water : Complete.  
Flash point [°C] : > 100  
Volatile Organic Compounds (%) : 0  
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.  
Bases.  
Oxidizing agent.  
Hazardous decomposition products : None under normal conditions.**11. TOXICOLOGICAL INFORMATION**Skin irritation (Invitox n°99) (ppm) : No data available.  
Evaluation of the security for the human health  
- Dermal : Irritation due to the composition.  
- Ocular : Irritation due to the composition.  
- Ingestion : Hardly toxic (LD 50 rat-oral-theoretical 5000-15000 ppm).  
Sensitization : To the best of our knowledge, this product contains no sensitizing raw materials.  
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))**12. ECOLOGICAL INFORMATION**Ecological effects information  
Biodegradation [%] Sapromat respirometry test (OECD 301 F) : 85 Biodegradable.  
EC50 72h Algae (Selenastrum capricornutum) [ppm] (OECD 201) : 118 Hardly toxic.  
48 Hour EC50 Daphnia magna [ppm] (OECD 202) : 66 Slightly toxic

**Techno Swan****32105242****12. ECOLOGICAL INFORMATION (continued)**

**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 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**

**Symbol(s)**



**R Phrase(s)** : Xi : Irritant  
: R36/38 : Irritating to eyes and skin.

**S Phrase(s)** : S24/25 : Avoid contact with skin and eyes.  
: S26 : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
: S37 : Wear suitable gloves.

**EEC Composition of detergents** : < 5% : - Nonionic surfactants

**16. OTHER INFORMATION**

**Training advice** : For correct use of this product: see Technical Data Sheet.

**List of relevant R phrases (heading 3)** : R35 : Causes severe burns.  
: R41 : Risk of serious damage to eyes.

**Sources of key data used** : MSDS and additional literature data of the respective suppliers.  
: Chemiekaarten, 21th edition, 2006, ed. MIA, VMCI, Samson.

**Revision** : Revision - See : \*

**Print date** : 28 / 1 / 2009

The contents and format of this SDS are in accordance with Regulation (EC) No 1907/2006

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