

Techno Swan**CODE: 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
Phone : +32 (0)3 309 25 00
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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% : - 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 |

INCI : FORMIC ACID
CAPRYL GLUCOSIDE

3 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.

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

Techno Swan**CODE: 32105242****4 FIRST AID MEASURES (continued)**

- Ingestion : contact lenses). Bring the victim to an ophthalmist.
: 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).
- Environment protection see § 6
- Occupational Exposure Limits : Formic acid : MAC [mg/m³] : 9
Formic acid : MAC [ppm] : 5

9 PHYSICAL AND CHEMICAL PROPERTIES

- Physical state at 20 °C : Viscous liquid.
- Colour : Green.
- Odour : Oil.

Techno Swan**CODE: 32105242****9 PHYSICAL AND CHEMICAL PROPERTIES (continued)**

| | |
|--|--------------|
| pH value (concentrated product) | : 1,25 |
| Density | : 1,05 kg/l |
| Viscosity at 25°C [mPa.s] (Brookfield LVT) | : 1200 mPa.s |
| 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 (RBC test: Denaturation Index) (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) | : No data available. |
| 48 Hour EC50 Daphnia magna [ppm] (OECD 202) | : 66 Slightly 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 |

Techno Swan**CODE: 32105242****13 DISPOSAL CONSIDERATIONS (continued)**

Packaging : disposing of).
: 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 2) : 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 : 13/11/2006

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

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