

**C13****CODE: 32107644****Producer**Ecover Belgium NV  
Industrieweg 3  
2390 Malle Belgium**1 IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY**

**Trade name** : C13  
**Type of product** : Liquid.  
**Use** : Strong degreaser for grill and oven.  
**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% : - Amphoteric surfactants

Substance name	Contents	CAS No	EC No	Index No	Classification
Sodium hydroxide	: Between 1 and 5 %	1310-73-2	215-185-5	011-002-00-6	C; R35
Dipropylenglycol Methylether	: Between 1 and 5 %	34590-94-8	252-104-2	----	R10
Sodium metasilicate	: Between 1 and 5 %	10213-79-3	229-912-9	----	C; R34 Xi; R37
3-butoxypropan-2-ol (PNB)	: Between 1 and 5 %	5131-66-8	225-878-4	603-052-00-8	Xi; R36/38
N-[3 -(dodecylamino)propyl] glycine	: Between 1 and 5 %	34395-72-7	251-993-4	----	Xi; R38-41

**INCI** : SODIUM HYDROXIDE  
PPG-2 METHYL ETHER  
SODIUM METASILICATE  
BUTOXYPROPANOL  
LAURYL AMINOPROPYLGLYCINE

**3 HAZARDS IDENTIFICATION**

**Hazards identification** : According to the Preparation Directive 1999/45/EC this product is classified as:  
C : Corrosive.  
**Risk Phrases** : R34 : Causes burns. - R37 : Irritating to respiratory system.  
**Symptoms relating to use**  
- **Inhalation** : Corrosive. Sore throat. Cough. Shortness of breath. Respiratory oedema.  
- **Skin contact** : Corrosive. Causes severe burns.  
- **Eye contact** : Corrosive. Redness, pain. Blurred vision.  
- **Ingestion** : Corrosive. Abdominal pain. Vomiting. Diarrhea.

**4 FIRST AID MEASURES**

**First aid measures**  
- **Inhalation** : Assure fresh air breathing. Place the victim in semi-seated position. Seek medical advice.  
- **Skin contact** : Rinse affected area thoroughly with water to remove concentrated product.

**C13****CODE: 32107644****4 FIRST AID MEASURES (continued)**

- Remove contaminated clothing.  
Seek medical attention immediately.
- 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. Do not induce vomiting because of corrosive effects. Take to hospital.
- Note to physician** : Physical action reinforces the symptoms of oedema. Rest and transport to the hospital are required.
- Workplace equipment** : Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

**5 FIRE-FIGHTING MEASURES**

- Extinguishing media**
- Suitable extinguishing media** : All extinguishing media can be used.
- Unsuitable extinguishing media** : None.
- Protection against fire** : Do not enter fire area without proper protective equipment, including respiratory protection.  
See Heading 8.
- Special procedures** : Exercise caution when fighting any chemical fire.

**6 ACCIDENTAL RELEASE MEASURES**

- Personal precautions** : Avoid contact with skin, eyes and clothes. Spill area may be slippery. Equip cleanup crew with proper protection. See Heading 8.
- Environmental precautions** : Avoid release to the environment. Prevent entry to sewers and public waters.
- 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, Ventilation trough floor.  
Do not store in corrodable metal.
- Handling** : Avoid contact with skin and eyes.

**8 EXPOSURE CONTROLS / PERSONAL PROTECTION**

- Personal protection**
- Skin protection** : Wear suitable gloves resistant to chemical penetration.  
Wear alkaline protective clothing when using this product.
- Eye protection** : Wear eye or face protection.
- Respiratory protection** : Ensure adequate ventilation.
- Environment protection see § 6**
- Occupational Exposure Limits** : Sodium hydroxide : MAC [mg/m<sup>3</sup>] : 2  
Dipropylenglycol Methylether : MAC [mg/m<sup>3</sup>] : 300  
Dipropylenglycol Methylether : MAC [ppm] : 50

**C13****CODE: 32107644****9 PHYSICAL AND CHEMICAL PROPERTIES**

Physical state at 20 °C	: Liquid.
Colour	: Red.
Odour	: Odourless.
pH value (concentrated product)	: 13
Density	: 1,05 kg/l
Viscosity at 25°C [mPa.s] (Brookfield LVT)	: 130
Solubility in water	: Complete.
Flash point [°C]	: > 100
Volatile Organic Compounds (%)	: 4
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 : Acids. Strong oxidizers.
Hazardous decomposition products	: DPM may form peroxides.

**11 TOXICOLOGICAL INFORMATION**

Skin irritation (RBC test: Denaturation Index) (ppm)	: No reliable data available.
Evaluation of the security for the human health	
- Dermal	: Corrosive.
- Ocular	: Corrosive. The high pH value may lead to permanent eye damage.
- Ingestion	: Hardly toxic (LD 50 rat-oral-theoretic >3500 ppm).
Sensitization	: To the best of our knowledge, this product contains no sensitizing raw materials.
Note	: Contains only ELINCS or EINECS registered raw materials and does 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/ARAB (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)	: 68 Slightly toxic
48 Hour EC50 Daphnia magna [ppm] (OECD 202)	: 227 Hardly toxic.
Remarks	: Ecover Technogreen products do not contain any bioaccumulating raw materials and no PCM or nitromusk perfume components. The surface active components used in this product fulfill all of the biodegradability requirements of EC regulation 648/2004.


**C13****CODE: 32107644****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, cleaned packaging is not subject to ADR.

**14 TRANSPORT INFORMATION**

- UN No.** : 1760
- H.I. nr** : 80
- Land transport**
- ADR/RID** : Group : II  
Class : 8
- Proper shipping name** : CORROSIVE LIQUID, N.O.S. (sodium hydroxide, sodium metasilicate 5aq.)
- Labelling ADR**
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- Limited Quantity** : LQ 22
- Additional information** : None.
- Emergency action in case of accident** : Mark roads and warns other road users.
- In case of spillage and/or leakage** : Clean up even minor leaks or spills if possible without unnecessary risk.
- Personal precautions** : The driver shall not attempt to deal with any fire of the load.
- Sea transport**
- EMS-Nr** : F-A, S-B
- IMDG-Marine pollution** : No.

**15 REGULATORY INFORMATION**

- Symbol(s)**
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- R Phrase(s)** : C : Corrosive.  
R34 : Causes burns.  
R37 : Irritating to respiratory system.
- S Phrase(s)** : S26 : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S36/37/39 : Wear suitable protective clothing, gloves and eye/face protection.  
S45 : In case of accident or if you feel unwell, seek medical advice immediately ( show the label when possible).
- EEC Composition of detergents** : < 5% : - Amphoteric surfactants

**16 OTHER INFORMATION**

- Training advice** : For correct use of this product: see Technical Data Sheet.
- List of relevant R phrases (heading 2)** : R10 : Flammable.  
R34 : Causes burns.  
R35 : Causes severe burns.



# MATERIAL SAFETY DATA SHEET

## According to 2001/58EC

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Revised edition no : 3

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**C13****CODE: 32107644****16 OTHER INFORMATION (continued)**

R36/38 : Irritating to eyes and skin.  
R37 : Irritating to respiratory system.  
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.  
Chemical cards, 12th edition, 1997, ed. MIA, VMCI, Samson  
Comprehensive guide to chemical resistant best gloves for various amounts of exposure, 1999, ver.3.5 www

**Revision**

: Revision - See : \*

**Print date**

: 31 / 5 / 2007

**Further information**

: None.

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

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