

HS**CODE: 33106146****1 IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY**

Trade name : HS
Type of product : Gel.
Use : For professional use only.
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).

Substance name	Contents	CAS No	EC No	Index No	Classification
Ethanol	> 10 %	64-17-5	200-578-6	603-002-00-5	F; R11

INCI : ALCOHOL, AQUA, HYDROXYPROPYL METHYLCELLULOSE, GLYCERIN.

3 HAZARDS IDENTIFICATION

Risk Phrases : R11 : Highly flammable.
Symptoms relating to use :
- Inhalation : None under normal conditions.
- Skin contact : Prolonged or repeated contact may cause skin to become dry.
- Eye contact : Not expected to present a significant eye contact hazard under anticipated conditions of normal use.
- Ingestion : Abdominal pain. Nausea.
Vomiting.
Fire hazard : Combustible.
Above flashpoint (see §9) explosive vapour/air mixtures may be formed.

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.
- Eye contact : Rinse immediately with plenty of water.
Seek medical attention if ill effect or irritation develops.
- 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

Extinguishing media :
- Suitable extinguishing media : Alcoholresistant foam.
Powder.
- Unsuitable extinguishing media : Do not use a heavy water stream.

HS**CODE: 33106146****5 FIRE-FIGHTING MEASURES (continued)**

- Protection against fire** : Do not enter fire area without proper protective equipment, including respiratory protection.
See Heading 8.
- Special procedures** : Cool heat-exposed product with water spray.

6 ACCIDENTAL RELEASE MEASURES

- Personal precautions** : Wear protective clothing, ensure a good ventilation and avoid all sources of ignition. Pump with explosion-proof equipment.
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** : Keep away from sparks, open fire and oxidising agents. Above flashpoint (see §9) closed equipment, ventilation, explosion safe electrical equipment.
- Storage** : Store in a cool, well ventilated and fireproof area, in tightly closed original packaging. Do not store in direct sunlight.
Keep away from:
Oxidizing agent.
- Handling** : Avoid contact with eyes.
Do not smoke while handling product.

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** : Ensure sufficient ventilation. When exposed to high vapor concentrations wear a respirator for organic vapors (type A).
- Environment protection see § 6**
- Occupational Exposure Limits** : Ethanol : MAC [mg/m³] : 1900
Ethanol : MAC [ppm] : 1000

9 PHYSICAL AND CHEMICAL PROPERTIES

- Physical state at 20 °C** : Gel.
- Colour** : Colourless.
- Odour** : Alcohol.
- pH value (concentrated product)** : 8,3
- Density** : 0,83 kg/l
- Viscosity at 25°C [mPa.s] (Brookfield LVT)** : 4600
- Solubility in water** : Complete.
- Flash point [°C]** : 19
- Volatile Organic Compounds (%)** : 76.8
- Explosion limits** : Above flashpoint (see §9) explosive vapour/air mixtures may be formed.

HS**CODE: 33106146****9 PHYSICAL AND CHEMICAL PROPERTIES (continued)**

Oxidising properties : 3.4-19 vol % ethanol vapour can react explosive with air (relative density of the mixture = 1.04).
: None.

10 STABILITY AND REACTIVITY

Stability and reactivity : No decomposition under normal conditions of storage and use.
Conditions to avoid : Do not store above flashpoint.
Materials to avoid : Reacts violently with strong oxidising agents, causing fire and explosion hazard.
Hazardous decomposition products : None under normal conditions.

11 TOXICOLOGICAL INFORMATION

Skin irritation (RBC test: Denaturation Index) : No data available.
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 : 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 ECOVER PROFESSIONAL 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) : No data available.
EC50 72h Algae (Selenastrum capricornutum) [ppm] (OECD 201) : No data available.
48 Hour EC50 Daphnia magna [ppm] (OECD 202) : > 1500 Not toxic.
Remarks : EcoPro products do not contain any bioaccumulating raw materials, no perfumes and so obviously 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, cleaned packaging is not subject to ADR.

HS**CODE: 33106146****14 TRANSPORT INFORMATION****General information**

UN No. : 1993

H.I. nr : 33

Land transportADR/RID : Class : 3
Special provision : 640D
Group : II

Proper shipping name : FLAMMABLE LIQUID, N.O.S. (ethanol)

Labelling ADR

Limited Quantity : LQ 4

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.

Sea transport

EMS-Nr : F-E, S-E

IMDG-Marine pollution : No.

15 REGULATORY INFORMATION**Symbol(s)**

R Phrase(s) : R11 : Highly flammable.

S Phrase(s) : S3/7 : Keep container tightly closed in a cool place.
S16 : Keep away from sources of ignition - No smoking.**16 OTHER INFORMATION**

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

List of relevant R phrases (heading 2) : R11 : Highly flammable.

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 : First version of this MSDS in this new format.

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

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