



# MATERIAL SAFETY DATA SHEET

## According to 2001/58EC

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**C9****33102064**

### 1 IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY

**Trade name** : C9  
**Type of product** : Liquid.  
**Use** : Alkaline spray cleaner.  
**Company identification** : Ecover Belgium NV  
Indsutrieweg 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.  
**Composition** : This product contains hazardous components (Directive 67/548/EEC).

Substance name	Contents	CAS No	EC No	Index No	Classification
Ethanol	: Between 15 and 30 %	64-17-5	200-578-6	603-002-00-5	F; R11
Anionic detergent	: Between 1 and 5 %	----	----	----	Xi; R38-41

### 3 HAZARDS IDENTIFICATION

**Hazards identification** : According to the Preparation Directive 1999/45/EC this product is classified as:  
Flammable.  
**Risk Phrases** : R10 : Flammable.  
**Symptoms relating to use**  
**- Inhalation** : No special hazards in normal use. narcotic effects, dizziness and headaches may occur with high vapour concentrations.  
**- Skin contact** : Redness.  
**- Eye contact** : Redness.  
**- Ingestion** : Headache. Dizziness. Drowsiness. Nausea.  
**Caution** : Flammable. Above 37°C explosive vapour/air mixtures may be formed.

### 4 FIRST AID MEASURES

**- 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 irritation develops.  
**- Ingestion** : In case of ingestion of large quantities, let the victim drink plenty of water and seek medical attention. Do not induce vomiting!  
**Note to physician** : No specific recommendations.  
**Workplace equipment** : No specific recommendations.

### 5 FIRE-FIGHTING MEASURES

**Flammable class** : This product is flammable.  
**Specific hazards** : May form flammable/explosive vapour-air mixture.  
**Prevention** : No naked lights. No smoking. Cool heat-exposed product with water spray.  
**Extinguishing media**

**C9****33102064****5 FIRE-FIGHTING MEASURES (continued)**

- Suitable extinguishing media : All extinguishing media can be used. Alcohol foam.
- Unsuitable extinguishing media : Do not use a heavy water stream.
- Protection against fire : Do not enter fire area without proper protective equipment, including respiratory protection.
- Special procedures : Exercise caution when fighting any chemical fire.

**6 ACCIDENTAL RELEASE MEASURES**

- Personal precautions : Wear protective clothing, ensure a good ventilation and avoid all sources of ignition. Pump with explosion-proof equipment.
- Environmental precautions : Avoid release to the environment. Prevent entry to sewers and public waters.
- Clean up methods : Collect leakage in non-lockable container. Absorb spillage with sand or inert material and transfer to a safe area and dispose of as chemical waste. If desired rinse remainder with water.

**7 HANDLING AND STORAGE**

- Protection against fire : Keep away from sparks, open fire and oxidising agents. Above 37°C closed equipment, ventilation, explosion safe electrical equipment.
- Storage : Keep only in the original container in a cool, well ventilated place. Keep container closed when not in use.
- Handling : No smoking.

**8 EXPOSURE CONTROLS / PERSONAL PROTECTION**

- Personal protection
- Skin protection : Wear waterproof gloves when taking up intensively material which is accidentally released. Persons with a sensitive skin are also recommended to wear waterproof gloves.
- Eye protection : Wear safety goggles when clearing accidentally released material and if there is a risk of splashing.
- Respiratory protection : No specific recommendations.
- Environment protection see § 6
- Occupational Exposure Limits : Ethanol : OEL (UK)-LTEL [ppm] : 1000

**9 PHYSICAL AND CHEMICAL PROPERTIES**

- Physical state at 20 °C : Liquid.
- Colour : Colourless.
- Odour : Yellow.
- pH value (concentrated product) : 9,75
- Density : 0,98
- Viscosity at 25°C [mPa.s] (Brookfield LVT) : <50
- Solubility in water : Complete.
- Flash point [°C] : 37
- Explosion limits : 3.4-19 vol % ethanol vapour can react explosive with air (relative density of the mixture = 1.04).
- Oxidising properties : None.

**C9****33102064****10 STABILITY AND REACTIVITY****Stability and reactivity**

- Conditions to avoid** : Do not store <0°C and >40°C.
- Materials to avoid** : Reacts violently with strong oxidising agents, causing fire and explosion hazard.
- Hazardous decomposition products** : None under normal conditions.
- Hazardous properties** : May form flammable/explosive vapour-air mixture.

**11 TOXICOLOGICAL INFORMATION**

**Skin irritation (RBC test: Denaturation Index)** : 7267 ppm. (not irritating).

**Evaluation of the security for the human health**

- **Dermal** : Not irritant due to the composition of the material.
- **Ocular** : Not irritant due to the composition of the material.
- **Ingestion** : Relatively harmless (LD 50 rat-ori-theo >33000 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** : Contains only ELINCS or EINECS registered raw materials and does not contain any ingredients known to be mutagenic, carcinogenic, teratogenic or reproduction toxic.

**12 ECOLOGICAL INFORMATION****Ecological effects information**

- Biodegradation [%] Sapromat respirometry test (OECD 301 F)** : 100
- 48 Hour EC50 Daphnia magna [mg/l] (OECD 202)** : >100
- IC50 72h Algae (Selenastrum capricornutum) [mg/l] (OECD 201)** : >100
- Persistence - degradability** : Due to the high amount of volatile substances in this product the OECD 301F is not applicable. Literature data demonstrate however that all individual ingredients are fully ultimately biodegradable in both aerobic (OECD 301 series) and anaerobic conditions (ECETOC 28). Ecopro products do not contain any bioaccumulating ingredients and no PCM or nitromusc 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** : Cleaned empty packaging (including labels and caps) of this product is fully recyclable (HDPE + PE). Empty (and cleaned) packaging may be collected selectively for recycling according to national or local waste legislation. Uncleaned packaging should be disposed of as chemical waste. The empty packaging is not subject to ADR.

**C9****33102064****14 TRANSPORT INFORMATION**

**UN No.** : 1993  
**H.I. nr** : 30  
**ADR/RID** : Class : 3  
Group : III  
**- Proper shipping name** : FLAMMABLE LIQUID, N.O.S. (Ethanol)  
**Labelling ADR**

**15 REGULATORY INFORMATION**

**Symbol(s)** : None.  
**R Phrase(s)** : R10 : Flammable.  
**S Phrase(s)** : S7 : Keep container tightly closed.  
S16 : Keep away from sources of ignition - No smoking.  
S23.4 : Do not breathe spray.  
S51 : Use only in well-ventilated areas.

**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.  
R38 : Irritating to skin.  
R41 : Risk of serious damage to eyes.  
**Sources of key data used**  
**Revision** : First version of this MSDS in this new format.  
**Print date** : 19/7/2005  
**Further information** : None.

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

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