

C9**33102064****1 IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY**

Trade name : C9
Type of product : Liquid.
Use : For professional use only.
Alkaline spray cleaner.
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.
Composition : This product contains hazardous components (Directive 67/548/EEC).
Regulation (CE) No. 648/2004 of 31 March 2004 on detergents:
< 5% : - Anionic surfactants - Nonionic surfactants

Substance name	Contents	CAS No	EC No	Index No	Classification
Ethanol	: Between 10 and 100 %	64-17-5	200-578-6	603-002-00-5	F; R11
Sodium octyl sulfate	: Between 1 and 10 %	142-31-4	205-535-5	-----	Xi; R38-41
INCI	: ALCOHOL Sodium octyl sulfate				

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

- Inhalation : Assure fresh air breathing.
Rest.
- 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.

C9**33102064****5 FIRE-FIGHTING MEASURES****Extinguishing media**

- **Suitable extinguishing media** : All extinguishing media can be used. Alcoholresistant 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.
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.

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 : Store in a cool, well ventilated and fireproof area, in tightly closed original packaging.

Handling : Keep away from sources of ignition - 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 : MAC [mg/m³] : 1900
Ethanol : MAC [ppm] : 1000

9 PHYSICAL AND CHEMICAL PROPERTIES

Physical state at 20 °C : Liquid.

Colour : Slightly yellow.

Odour : Odourless.

pH value (concentrated product) : 9,75

Density : 0,98 kg/l

Viscosity at 25°C [mPa.s] (Brookfield LVT) : <50

Solubility in water : Complete.

Flash point [°C] : 37

Volatile Organic Compounds (%) : 16.3

Explosion limits : 3.4-19 vol % ethanol vapour can react explosive with air (relative density of the mixture = 1.04).

C9**33102064****9 PHYSICAL AND CHEMICAL PROPERTIES (continued)**

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 >25°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) (ppm) : 7267 (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-oral-theoretical >33000 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) : 100
48 Hour EC50 Daphnia magna [ppm] (OECD 202) : > 100 Hardly toxic.
Rotifer toxicity (Brachionus calyciflorus) EC50 24h (ppm) (ASTM E1440-91) : > 100 Hardly toxic.
Microbial toxicity EC50 (Microtox EC50 15min) (ppm) (DIN 38-412-L34) : 2400 Not toxic.
Remarks : 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 : The empty packaging of this product is not subject to ADR. Cleaned empty packaging (including labels and caps) is fully recycable (HDPE + PP); they may be

C9**33102064****13 DISPOSAL CONSIDERATIONS (continued)**

collected selectively for recycling according to national or local waste legislation.
Uncleaned packaging should be disposed of as chemical waste.

14 TRANSPORT INFORMATION

General information : Not classified.

15 REGULATORY INFORMATION

Symbol(s) : None.
R Phrase(s) : R10 : Flammable.
S Phrase(s) : S16 : Keep away from sources of ignition - No smoking.
S23 : Do not breathe spray.
S51 : Use only in well-ventilated areas.
EEC Composition of detergents : < 5% : - Anionic surfactants - Nonionic surfactants

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 : MSDS and additional literature data of the respective suppliers.
Revision : First version of this MSDS in this new format.
Print date : 22/6/2006
Further information : None.

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

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