



# SAFETY DATA SHEET

(revision) date 17-Apr-2015

Version 2

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Product Code ECOVER10  
Product Name Limescale remover  
Internal Code 3000469  
Pure substance/mixture Mixture

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended Use Consumer use  
Uses advised against No information available

### 1.3. Details of the supplier of the safety data sheet

Company Name  
ECOVER CO-ORDINATION CENTER  
Steenovenstraat 1A  
2390 Malle Belgium  
Phone: +32 (0)3 309 2500  
Fax: +32 (0)3 311 7270

Responsible for placing on the market  
See Company Name

E-mail address sds@ecover.com

### 1.4. Emergency telephone number

Emergency Telephone - §45 - (EC)1272/2008	
Belgium	+32 (0)70 245 245 (Antipoison Centre Belgium)
Denmark	+45 82 12 12 12
Finland	09 471977
France	+ 33 (0)1 45 42 59 59 - Orfila (24h)
Netherlands	030-2748888 (National Poisons Information Center (NVIC)) Only for the purpose of informing medical personnel in cases of acute intoxications
Portugal	808 250 143 - CIAV
Spain	+ 34 91 562 04 20
Switzerland	+41 44 251 51 51 - Toxikologisches Institut Zürich
United Kingdom	03451 302230 - UK customer careline
Slovenia	+800 505 25 052 +32 898 60 540
Hungary	06-80-20-11-99 - Egészségügyi Toxikológiai Tájékoztató Szolgálat (ETTSz)

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

According to Regulation (EC) n° 1272/2008 (CLP):

Serious eye damage/eye irritation	Category 2
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### 2.2. Label elements

According to Regulation (EC) n° 1272/2008 (CLP):



#### Signal word

Warning

#### Hazard statements

H319 - Causes serious eye irritation

#### Precautionary Statements - EU (§28, 1272/2008)

P102 - Keep out of reach of children

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P337 + P313 - If eye irritation persists: Get medical advice/attention

P101 - If medical advice is needed, have product container or label at hand

#### 2.3. Other hazards

None under normal use conditions

### SECTION 3: Composition/information on ingredients

#### 3.1 Substances

Not Applicable

#### 3.2 Mixtures

Chemical Name	EC No	CAS No	Weight-%	Classification according to 67/548/EEC	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH Registration Number
Citric acid monohydrate	201-069-1	5949-29-1	10-30	Xi; R36	Eye Irrit. 2 (H319)	01-2119457026-42
(R)-p-mentha-1,8-diene	227-813-5	5989-27-5	<0.1	R10 Xi; R38-43 N; R50/53	Skin Irrit. 2 (H315) Skin Sens. 1 (H317) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410) Flam. Liq. 3 (H226)	01-2119529223-47

Full text of H- and EUH-phrases: see section 16

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### General advice

If symptoms persist, call a physician.

##### Eye Contact

In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice

##### Skin Contact

Wash off immediately with plenty of water

**Ingestion** Do NOT induce vomiting Rinse mouth Get medical attention

**Inhalation** Remove to fresh air

#### **4.2. Most important symptoms and effects, both acute and delayed**

See section 2 for more information. See section 11 for more information.

#### **4.3. Indication of any immediate medical attention and special treatment needed**

**Note to physicians** Treat symptomatically.

### **SECTION 5: Firefighting measures**

#### **5.1. Extinguishing media**

##### **Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment

##### **Unsuitable Extinguishing Media**

None

#### **5.2. Special hazards arising from the substance or mixture**

None known

#### **5.3. Advice for firefighters**

##### **Special protective equipment for fire-fighters**

Wear self-contained breathing apparatus and protective suit.

### **SECTION 6: Accidental release measures**

#### **6.1. Personal precautions, protective equipment and emergency procedures**

Avoid contact with eyes

#### **6.2. Environmental precautions**

Avoid release to the environment.

#### **6.3. Methods and material for containment and cleaning up**

##### **Methods for cleaning up**

Take up mechanically, placing in appropriate containers for disposal. Clean contaminated surface thoroughly. After cleaning, flush away traces with water.

#### **6.4. Reference to other sections**

SECTION 8: Exposure controls/personal protection

SECTION 12: Ecological information

### **SECTION 7: Handling and storage**

#### **7.1. Precautions for safe handling**

Avoid contact with eyes

Ensure adequate ventilation, especially in confined areas

Use personal protection recommended in Section 8

#### **7.2. Conditions for safe storage, including any incompatibilities**

Keep container tightly closed in a dry and well-ventilated place  
 Keep out of the reach of children  
 Do not store <0°C and >40°C.

**7.3. Specific end use(s)**

No data available.

## SECTION 8: Exposure controls/personal protection

**8.1. Control parameters**

Chemical Name	European Union	United Kingdom	France	Spain	Germany
(R)-p-mentha-1,8-diene			TWA: 1000 mg/m <sup>3</sup> STEL: 1500 mg/m <sup>3</sup>		TWA: 5 ppm TWA: 28 mg/m <sup>3</sup> Ceiling / Peak: 20 ppm Ceiling / Peak: 112 mg/m <sup>3</sup> Skin TWA: 20 ppm TWA: 110 mg/m <sup>3</sup>

Chemical Name	Italy	Portugal	Netherlands	Finland	Denmark
(R)-p-mentha-1,8-diene				TWA: 25 ppm TWA: 140 mg/m <sup>3</sup> STEL: 50 ppm STEL: 280 mg/m <sup>3</sup>	

Chemical Name	Austria	Switzerland	Poland	Norway	Ireland
(R)-p-mentha-1,8-diene		STEL: 40 ppm STEL: 220 mg/m <sup>3</sup> TWA: 20 ppm TWA: 110 mg/m <sup>3</sup>		TWA: 25 ppm TWA: 140 mg/m <sup>3</sup> STEL: 37.5 ppm STEL: 175 mg/m <sup>3</sup>	

**Derived No Effect Level (DNEL)** No information available

**Predicted No Effect Concentration (PNEC)** No information available.

**8.2. Exposure controls**

**Engineering Controls** None under normal use conditions.

**Personal protective equipment**

**Eye/face protection** Wear safety goggles when clearing accidentally released material. Face protection shield.  
**Hand Protection** Wear suitable gloves.  
**Skin and body protection** No information available.

**Environmental exposure controls** Do not allow into any sewer, on the ground or into any body of water.

## SECTION 9: Physical and chemical properties

**9.1. Information on basic physical and chemical properties**

**Physical state** Liquid  
**Odor** citrus fruits  
**Color** colorless

Property	Values	Remarks • Method
pH	2.25	
Melting point / freezing point		No information available
Boiling point / boiling range		No information available
Flash Point	> 100	
Evaporation rate		No information available

<b>Flammability (solid, gas)</b>		No information available
<b>Flammability Limit in Air</b>		No information available
<b>Upper Flammability Limit</b>		No information available
<b>Lower flammability limit</b>		No information available
<b>Vapor pressure</b>		No information available
<b>Vapor density</b>		No information available
<b>Relative density</b>	1.05 kg/l	
<b>Water solubility</b>		No information available
<b>Solubility(ies)</b>		No information available
<b>Partition coefficient</b>		No information available
<b>Autoignition temperature</b>		No information available
<b>Decomposition temperature</b>		No information available
<b>Kinematic viscosity</b>	13,2 cP	
<b>Dynamic viscosity</b>		
<b>Explosive properties</b>	Not Applicable	
<b>Oxidizing properties</b>	None	
<b>9.2. Other information</b>		
<b>VOC Content (%)</b>	0.2	

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Not expected

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

None under normal processing.

### 10.4. Conditions to avoid

Do not store <0°C and >40°C.

### 10.5. Incompatible materials

Do not mix with other cleaning products.

### 10.6. Hazardous decomposition products

None under normal use conditions.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

**Acute toxicity** Product does not present an acute toxicity hazard based on known or supplied information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
(R)-p-mentha-1,8-diene		> 5 g/kg ( Rabbit )	

**Irritation** Irritating to eyes

**Respiratory or skin sensitization** See section 15 for any sensitizing ingredients

**Carcinogenicity** Not expected.

<b>Reproductive toxicity</b>	Not expected.
<b>Germ cell mutagenicity</b>	Not expected.
<b>Specific target organ toxicity (single exposure)</b>	Not expected
<b>Specific target organ toxicity (repeated exposure)</b>	Not expected
<b>Aspiration hazard</b>	Not expected

## SECTION 12: Ecological information

### 12.1. Toxicity

#### Product

48h EC50 (daphnia - mg/l)

No data available

#### Ingredients

Chemical Name	Algae/aquatic plants	Fish	Crustacea
(R)-p-mentha-1,8-diene		0.619 - 0.796: 96 h Pimephales promelas mg/L LC50 flow-through 35: 96 h Oncorhynchus mykiss mg/L LC50	

### 12.2. Persistence and degradability

This product doesn't contain any persistent substances

The surface active components used in this product fulfill all of the biodegradability requirements of EC regulation 648/2004 (Detergents Regulation)

The surface active components used in this product are anaerobically biodegradable.

### 12.3. Bioaccumulative potential

This product does not contain any bioaccumulating substances.

### 12.4. Mobility in soil

No information available.

### 12.5. Results of PBT and vPvB assessment

This preparation contains no substance considered to be persistent, bioaccumulating nor toxic (PBT)

This preparation contains no substance considered to be very persistent nor very bioaccumulating (vPvB)

### 12.6. Other adverse effects

This product does not contain PCM or nitromusk perfume components.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### General

Disposal should be in accordance with applicable regional, national and local laws and regulations

## SECTION 14: Transport information

**ADR** Not regulated

**IMDG** Not regulated

**RID** Not regulated

**IATA** Not regulated

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Ensure all national/local regulations are observed

Regulation (CE) No. 648/2004 of 31 March 2004 on detergents:

non-ionic surfactants	< 5%
Limonene	

**Water hazard class (WGK)** slightly hazardous to water (WGK 1)

### 15.2. Chemical safety assessment

No information available

## SECTION 16: Other information

### Full text of H-Statements referred to under sections 2 and 3

H319 - Causes serious eye irritation

H315 - Causes skin irritation

H317 - May cause an allergic skin reaction

H400 - Very toxic to aquatic life

H410 - Very toxic to aquatic life with long lasting effects

H226 - Flammable liquid and vapor

H304 - May be fatal if swallowed and enters airways

### Classification procedure

Calculation method

### Revision Note

SDS sections updated, 4, 9.

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

### Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet