



(revision) date 10-Apr-2015

Version 1.2

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

### 1.1. Product identifier

**Product Code** ECOVER03  
**Product Name** Dishwashing Tablets Classic  
**Internal Code** 3000688  
**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	
Austria	+43 1 406 43 43
Belgium	+32 (0)70 245 245 (Antipoison Centre Belgium)
Denmark	+45 82 12 12 12
Finland	(09) 471 977 MYRKYTYSTIETOKESKUS (24 H)
France	+ 33 (0)1 45 42 59 59 - Orfila (24h)
Germany	Giftnotruf Berlin: 030 30686 790 (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	STIZ (Tox-Zentrum) CH Zürich: 145/ +41 44 251 51 51 (24h/7)
United Kingdom	03451 302230 - UK customer careline
Slovenia	+800 505 25 052 +32 898 60 540
Czech Republic	Toxikologické informační středisko, Na Bojišti 1, 120 00 Praha 2, Telefon: +420 224 919 293, +420 224 915 402
Slovakia	24 - hodinová konzultačná služba pri akútnych intoxikáciách: +421 2 5477 4166
Hungary	Magyarország 06 80 201-199 (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 - (H319)
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See full text of H-phrases in section 2.2

## 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

P301 + P330 + P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting

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	Percent	Classification according to 67/548/EEC	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH Registration Number
Sodium Carbonate	207-838-8	497-19-8	10-30	Xi; R36	Eye Irrit. 2 (H319)	01-2119485498-19
Sodium Carbonate Peroxide	239-707-6	15630-89-4	10-30	O; R8 Xn; R22-41	Ox. Sol. 2 (H272) Eye Dam 1 (H318) Acute Tox. 4 (oral) (H302)	01-2119457268-30
Disodium disilicate	237-623-4	13870-28-5	1-5	Xi; R41	Eye Dam 1 (H318)	01-2119485031-47
Glycerin	200-289-5	56-81-5	0.1-1	-	-	01-2119471987-18
subtisilin	232-752-2	9014-01-1	0.01-0.1	Xn; R37/38-41-42/43	Skin Irrit. 2 (H315) Eye Dam. 1 (H318) Resp. Sens. 1 (H334) STOT SE 3 (H335)	01-2119480434-38
(R)-p-mentha-1,8-diene	227-813-5	5989-27-5	0.01-0.1	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

<b>General advice</b>	If symptoms persist, call a physician.
<b>Eye Contact</b>	In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice
<b>Skin Contact</b>	Wash off immediately with plenty of water.
<b>Ingestion</b>	Do NOT induce vomiting. Clean mouth with water and drink plenty of water. Get medical attention
<b>Inhalation</b>	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**

Contains oxidizing percarbonate that can release oxygen by activation. Therefore don't sprinkle water on dry product.

### 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 for fire fighting if necessary.

## 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** 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 and a water and dust vacuum cleaner.

### 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 out of the reach of children.  
 Keep container tightly closed in a dry and well-ventilated place  
 Protect from moisture  
 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
Glycerin		STEL: 30 mg/m <sup>3</sup> TWA: 10 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup>	TWA: 200 mg/m <sup>3</sup> Ceiling / Peak: 400 mg/m <sup>3</sup>
subtisilin		STEL: 0.00012 mg/m <sup>3</sup> TWA: 0.00004 mg/m <sup>3</sup>		STEL: 0.00006 mg/m <sup>3</sup>	
(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

Chemical Name	Italy	Portugal	Netherlands	Finland	Denmark
Glycerin		TWA: 10 mg/m <sup>3</sup>		HTP8h: 20 mg/m <sup>3</sup>	
subtisilin		Ceiling: 0.00006 mg/m <sup>3</sup>			Ceiling: 0.00006 mg/m <sup>3</sup>
(R)-p-mentha-1,8-diene				HTP8h: 25 ppm HTP8h: 140 mg/m <sup>3</sup> HTP15min: 50 ppm HTP15min: 280 mg/m <sup>3</sup>	

Chemical Name	Austria	Switzerland	Poland	Norway	Ireland
Glycerin		STEL: 100 mg/m <sup>3</sup> TWA: 50 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup>		TWA: 10 mg/m <sup>3</sup> STEL: 30 mg/m <sup>3</sup>
subtisilin		STEL: 0.00006 mg/m <sup>3</sup>			TWA: 0.00006 mg/m <sup>3</sup> STEL: 0.00006 mg/m <sup>3</sup>
(R)-p-mentha-1,8-diene		STEL: 14 ppm STEL: 80 mg/m <sup>3</sup> TWA: 7 ppm TWA: 40 mg/m <sup>3</sup>		TWA: 25 ppm TWA: 140 mg/m <sup>3</sup> STEL: 25 ppm STEL: 140 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**

<b>Engineering Controls</b>	None under normal use conditions.
<b>Personal protective equipment</b>	
<b>Eye/face protection</b>	Wear safety goggles when clearing accidentally released material.
<b>Hand Protection</b>	For operations where prolonged or repeated skin contact may occur, impervious gloves should be worn.
<b>Skin protection</b>	Suitable protective clothing. Apron. Gloves made of plastic or rubber.
<b>Environmental exposure controls</b>	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

<b>Physical State</b>	Solid	
<b>Odor</b>	citrus fruits	
<b>Color</b>	white; yellow	
<b>Property</b>	<b>Values</b>	<b>Remarks • Method</b>
<b>pH</b>	10.7	(1%)
<b>Melting point / freezing point</b>		No information available
<b>Boiling point / boiling range</b>		No information available
<b>Flash Point</b>	> 100	
<b>Evaporation rate</b>		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>		No information available
<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>		No information available
<b>Dynamic viscosity</b>		
<b>Explosive properties</b>	Not applicable	
<b>Oxidizing properties</b>	This product contains oxidizing sodium carbonate peroxide.	

### 9.2. Other information

<b>VOC Content (%)</b>	0.09
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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Even when properly stored, the sodium carbonate peroxide will lose his activity. Therefore it is recommended to consume the product within a year.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

None under normal processing.

### 10.4. Conditions to avoid

See section 7 for more information

### 10.5. Incompatible materials

Acids  
Reducing agent  
Combustible material

### 10.6. Hazardous decomposition products

None under normal use conditions. Oxygen.

## 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
Sodium Carbonate	= 4090 mg/kg ( Rat )		= 2300 mg/m <sup>3</sup> ( Rat ) 2 h
Sodium Carbonate Peroxide	= 1034 mg/kg ( Rat )		
Disodium disilicate	= 1280 mg/kg ( Rat )		
Glycerin	= 12600 mg/kg ( Rat )	> 10 g/kg ( Rabbit )	> 570 mg/m <sup>3</sup> ( Rat ) 1 h
subtisilin	= 3700 mg/kg ( Rat )		
(R)-p-mentha-1,8-diene	= 4400 mg/kg ( Rat )	> 5 g/kg ( Rabbit )	

**Irritation** Causes serious eye irritation

**Respiratory or skin sensitization** No known effect

**Carcinogenicity** No known effect.

**Reproductive toxicity** No known effect.

**Germ cell mutagenicity** No known effect.

**Specific target organ toxicity (single exposure)** No known effect

**Specific target organ toxicity (repeated exposure)** No known effect

**Aspiration hazard** No known effect

**Target Organ Effects** No known effect.

## SECTION 12: Ecological information

### 12.1. Toxicity

#### Product

EC50/48h/daphnia  
CDV (excl. perfume):  
CDV (incl. perfume):  
% Renewability:

74 Slightly toxic  
14507 g/l  
19007 g/l  
81

#### Ingredients

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Sodium Carbonate	242: 120 h Nitzschia mg/L EC50	300: 96 h Lepomis macrochirus mg/L LC50 static 310 - 1220: 96 h	265: 48 h Daphnia magna mg/L EC50

		Pimephales promelas mg/L LC50 static	
Sodium Carbonate Peroxide	70: 240 h Chlorella emersonii mg/L EC50	70.7: 96 h Pimephales promelas mg/L LC50 static	4.9: 48 h Daphnia pulex mg/L EC50
Disodium disilicate		210: 96 h Brachydanio rerio mg/L LC50	1000: 24 h Daphnia magna mg/L EC50
Glycerin		51 - 57: 96 h Oncorhynchus mykiss mL/L LC50 static	500: 24 h Daphnia magna mg/L EC50
(R)-p-mentha-1,8-diene		35: 96 h Oncorhynchus mykiss mg/L LC50 0.619 - 0.796: 96 h Pimephales promelas mg/L LC50 flow-through	

### 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.

Chemical Name	Partition coefficient
Glycerin	-1.76

### 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:

oxygen-based bleaching agents	5 - 15%
non-ionic surfactants	< 5%
enzymes, parfum, 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

H272 - May intensify fire; oxidizer  
 H318 - Causes serious eye damage  
 H302 - Harmful if swallowed  
 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  
 H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled  
 H335 - May cause respiratory irritation

### Classification procedure

On basis of test data

### Revision Note

First version of this SDS in this format.

**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