



(revision) date 25-Apr-2016

Version 2

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

1.1. Product identifier

Product Code ECOVER135
Product Name Dishwashing Tablets All-in-One
Internal Code 3000689
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

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

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

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

Contains SUBTILISIN. May produce an allergic reaction

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
D-Glucopyranose, oligomers, decyl octyl glycosides	500-220-1	68515-73-1	1-5	Xi; R41	Eye Dam 1 (H318)	01-2119488530-36
Disodium disilicate	215-687-4	1344-09-8	1-5	Xi; R37/38, R41	Skin Irrit. 2 (H315) Eye Dam. 1 (H318) STOT SE 3 (H335)	No data available
Glycerin	200-289-5	56-81-5	0.1-1	-	-	01-2119471987-18
subtisin	232-752-2	9014-01-1	0.1-1	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	Skin Irrit. 2 (H315) Skin Sens. 1 (H317)	01-2119529223-47

				N; R50/53	Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410) Flam. Liq. 3 (H226)	
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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. Clean mouth with water and drink plenty of water. 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

Alcohol resistant foam

Carbon dioxide (CO₂)

powder

Water spray (fog)

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 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**

Ensure adequate ventilation, especially in confined areas

Avoid contact with eyes.

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

Do not store <0°C and >40°C.

Protect from moisture

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 ³ TWA: 10 mg/m ³	TWA: 10 mg/m ³	TWA: 10 mg/m ³	TWA: 200 mg/m ³ Ceiling / Peak: 400 mg/m ³
subtisilin		STEL: 0.00012 mg/m ³ TWA: 0.00004 mg/m ³		STEL: 0.00006 mg/m ³	
(R)-p-mentha-1,8-diene			TWA: 1000 mg/m ³ STEL: 1500 mg/m ³		TWA: 5 ppm TWA: 28 mg/m ³ Ceiling / Peak: 20 ppm Ceiling / Peak: 112 mg/m ³ Skin

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

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

		TWA: 7 ppm TWA: 40 mg/m ³		STEL: 25 ppm STEL: 140 mg/m ³	
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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.
- Hand Protection** For operations where prolonged or repeated skin contact may occur, impervious gloves should be worn.
- Skin protection** Suitable protective clothing. Apron. Gloves made of plastic or rubber.

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 Solid
Odor citrus fruits
Color white

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH		No information available
Melting point / freezing point		No information available
Boiling point / boiling range		No information available
Flash Point	> 100 °C	
Evaporation rate		No information available
Flammability (solid, gas)		No information available
Flammability Limit in Air		No information available
Upper Flammability Limit		No information available
Lower flammability limit		No information available
Vapor pressure		No information available
Vapor density		No information available
Relative density		No information available
Water solubility	Soluble in water	
Solubility(ies)		No information available
Partition coefficient		No information available
Autoignition temperature		No information available
Decomposition temperature		No information available
Kinematic viscosity		No information available
Dynamic viscosity		
Explosive properties	Not applicable	
Oxidizing properties	This product contains oxidizing sodium carbonate peroxide.	

9.2. Other information

VOC Content (%) 0.09

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

Strong acids
Strong oxidizing agents
Strong alkali

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
Sodium Carbonate	= 4090 mg/kg (Rat)		= 2300 mg/m ³ (Rat) 2 h
Sodium Carbonate Peroxide	= 1034 mg/kg (Rat)		
Disodium disilicate	= 1960 mg/kg (Rat)	> 4640 mg/kg (Rabbit)	
Glycerin	= 12600 mg/kg (Rat)	> 10 g/kg (Rabbit)	> 570 mg/m ³ (Rat) 1 h
subtisiniln	= 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

No data available

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 Pimephales promelas mg/L LC50 static	265: 48 h Daphnia magna mg/L EC50
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		3185: 96 h Brachydanio rerio mg/L LC50 semi-static 301 - 478: 96 h Lepomis macrochirus mg/L LC50	216: 96 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	

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

Calculation method

Revision Note

SDS sections updated, 1, 2, 3, 5, 8, 9, 11, 12.

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