

Dishwasher tablets**12122005**

Xi : Irritant

SECTION 1. Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Trade name : Dishwasher tablets

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

Use : Domestic.

1.3. Details of the supplier of the safety data sheetCompany identification : ECOVER CO-ORDINATION CENTER
Steenovenstraat 1A
2390 Malle Belgique-Belgie

Phone : +32 (0)3 309 25 00

Fax : +32 (0)3 311 72 70

e-mail: : sds@ecover.com

Responsible for placing on the market : See address above.

1.4. Emergency telephone number

Emergency phone nr : +32 (0)70 245 245 (Antipoison Centre Belgium)

SECTION 2. Hazards identification**2.1. Classification of the substance or mixture****Classification EC 67/548 or EC 1999/45**

: Xi; R41

2.2. Label elements**Labelling EC 67/548 or EC 1999/45**

• Symbol(s)



: Xi : Irritant

• R Phrase(s)

: R41 : Risk of serious damage to eyes.

• S Phrase(s)

: S2 : Keep out of the reach of children.

S25 : Avoid contact with eyes.

S26 : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S39 : Wear eye/face protection.

S46 : If swallowed seek medical advice immediately and show this container or label.

Dishwasher tablets

12122005

SECTION 2. Hazards identification (continued)

EEC Composition of detergents : < 5% : - Nonionic surfactants
 5% - 15% : - Oxygenbased bleaching agents
 Perfumes - Enzymes
 LIMONENE.

2.3. Other hazards

None under normal conditions.

SECTION 3. Composition/information on ingredients

Substance / Preparation : Preparation.

Substance name	Contents	CAS No	EC No	Index No	REACH	Classification
Sodium carbonate peroxyhydrate	> 5 < 15 %	15630-89-4	239-707-6	----	01-2119457268-30	O; R8 Xn; R22 Xi; R41 ----- Ox. Sol. 2 Eye Dam 1 Acute Tox. 4 (oral)
* Sodium carbonate	> 15 < 30 %	497-19-8	207-838-8	011-005-00-2	01-2119485498-19	Xi; R36 ----- Eye irrit 2
Diodium disilicate	> 5 < 15 %	13870-28-5	237-623-4	----	01-2119485031-47	Xi; R41 ----- Eye Dam 1
D-glucitol	> 1 < 5 %	50-70-4	200-061-5	----	----	Xi; R36 ----- Undefined. (GHS)
Alkyl Poly Glycoside C8-10	> 0.1 < 1 %	68515-73-1	POLYMER	----	----	Xi; R41 ----- Undefined. (GHS)
Amylase, alpha-	> 0.01 < 0.1 %	9000-90-2	232-565-6	647-015-00-4	----	R42 ----- Resp. Sens. 1
Subtilisin	> 0.01 < 0.1 %	9014-01-1	232-752-2	647-012-00-8	01- 2119480434-38	Xi; R37/38-41 R42 ----- Eye Dam 1 Resp. Sens. 1 Skin Irrit. 2 STOT SE 3
(R)-p-mentha-1,8-diene	> 0.01 < 0.1 %	5989-27-5	227-813-5	601-029-00-7	01-2119529223-47	R10 Xi; R38 R43 N; R50-53 ----- Flam. Liq. 3 Skin Irrit. 2 Skin Sens. 1 Aquatic Acute 1 Aquatic Chronic 1

SECTION 4. First aid measures

4.1. Description of first aid measures

- Inhalation : Not relevant.
- Skin contact : Rinse immediately with plenty of water.
- Eye contact : Rinse immediately and for at least 15 minutes with copious amounts of water (also assure adequate flushing under the eyelids and if possible after having removed contact lenses). Bring the victim to an ophthalmist.
- Ingestion : Wash out mouth and do not induce vomiting! Let the victim drink 2 glasses of water on his own. Seek medical attention. Seek medical advice.

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



SAFETY DATA SHEET
According to Regulation (EC) 1907/
2006

Page : 3 / 7

Revised edition no : 7

Date : 14 / 5 / 2012

Supersedes : 22 / 9 / 2011

Dishwasher tablets

12122005

SECTION 4. First aid measures (continued)

- Inhalation : None under normal conditions.
- Skin contact : Not expected to present a significant skin hazard.
- Eye contact : Irritation to eyes.
Risk of serious damage to eyes.
- Ingestion : Vomiting.
Abdominal pain.
Nausea.

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

- Note to physician** : No specific recommendations.
- Workplace equipment** : No specific recommendations.

SECTION 5. Fire-fighting measures

5.1. Extinguishing media

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

5.3. Advice for fire-fighters

Exercise caution when fighting any chemical fire.
See Heading 8.

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid contact with skin and eyes.
Equip cleanup crew with proper protection.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Collect usable powder residues in a clean, lockable container for reuse. Sweep polluted powder as chemical waste and remove the residus with water and plunger.

6.4. Reference to other sections

See Heading 8.

SECTION 7. Handling and storage

7.1. Precautions for safe handling

- Handling** : Avoid contact with skin and eyes.
- Protection against fire** : Not expected to be a fire/explosion hazard under normal conditions of use.

Dishwasher tablets**12122005****SECTION 7. Handling and storage (continued)****7.2. Conditions for safe storage, including any incompatibilities**

Store in a cool and frost-free place in a closed packaging.
Keep out of the reach of children.
Keep away from combustible material.
Acids.
Reducing agents.

7.3. Specific end use(s)

No data available.

SECTION 8. Exposure controls/personal protection**8.1. Control parameters****Personal protection**

- **Respiratory protection** : None under normal conditions.
- **Skin protection** : No special clothing/skin protection equipment is recommended under normal conditions of use.
Wear waterproof gloves when taking up intensively material which is accidentally released.
- **Eye protection** : Wear safety goggles when clearing accidentally released material.

Environment protection see § 6

8.2. Occupational Exposure Limits

Occupational Exposure Limits : Subtilisin : TLV - ACGIH [mg/m³] : 0.00006

SECTION 9. Physical and chemical properties**9.1. Information on basic physical and chemical properties**

- **Appearance** : Tablets.
White/Yellow.
- **Odour** : Citrus fruits.
- **Odour threshold** : No data available.
- **pH** : 1% 10,7
- **Melting point / Freezing point** : No data available.
- **Initial boiling point - boiling range** : No data available.
- **Flash point** : > 100
- **Evaporation rate** : No data available.
- **Flammability** : No data available.
- **Explosion limits (lower - upper)** : None.
- **Vapour pressure** : No data available.
- **Vapour density** : No data available.
- **Relative density** : -
- **Solubility** : Good.
- **Partition coefficient :
n-octanol / water** : No data available.

Dishwasher tablets**12122005****SECTION 9. Physical and chemical properties (continued)**

- **Auto-ignition temperature** : No data available.
- **Thermal decomposition** : No data available.
- **Viscosity** : -
- **Explosive Properties** : No data available.
- **Oxidising properties** : This product contains oxidizing sodium carbonate peroxide

9.2. Other information

- Volatile Organic Compounds (%)** : 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

No data available.

10.4. Conditions to avoid

Moisture.

Do not store <0°C and >30°C.

10.5. Incompatible materials

Acids.

Reducing agents.

Combustibles.

10.6. Hazardous decomposition products

None under normal conditions.

Oxygen.

SECTION 11. Toxicological information**11.1. Information on toxicological effects****Evaluation of the security for the human health**

- **Dermal** : Not or only slightly irritant due to the composition.
- **Ocular** : Irritation due to the composition.
- **Ingestion** : Hardly toxic (LD 50 rat-oral-theoretical 5000-15000 ppm).
- Sensitization** : This product contains sensitizing fragrance components > 100 ppm: see § 2 and 3.
- 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)).

Dishwasher tablets**12122005****SECTION 12. Ecological information****12.1. Toxicity**48 Hour EC50 Daphnia magna [ppm] : 74 Slightly toxic
(OECD 202)EC50 72h Algae (Selenastrum : No data available.
capricornutum) [ppm] (OECD 201)**12.2. Persistence - degradability**Biodegradation: Coupled Unit test (: 91 Biodegradable.
OECD 303A) %**12.3. Bioaccumulative potential**

No data available.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Other adverse effects

Ecover products do not contain any bioaccumulating raw materials and no PCM or nitromusk perfume components. The surface active components used in this product fulfill all of the biodegradability requirements of EC regulation 648/2004.

SECTION 13. Disposal considerations**13.1. Waste treatment methods**

- 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 (not containing any residues) of this product can be disposed of as paper waste according to national or local waste legislation. Packaging containing residues of this product should be disposed of as chemical waste. Empty packaging is not subject to ADR.

SECTION 14. Transport information**GENERAL INFORMATION** : Not classified.**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.

15.2. Chemical Safety Assessment

No data available.



SAFETY DATA SHEET
According to Regulation (EC) 1907/
2006

Page : 7 / 7

Revised edition no : 7

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Dishwasher tablets

12122005

SECTION 16. Other information

- List of relevant R phrases (heading 3)** : R8 : Contact with combustible material may cause fire.
R10 : Flammable.
R22 : Harmful if swallowed.
R36 : Irritating to eyes.
R37 : Irritating to respiratory system.
R37/38 : Irritating to respiratory system and skin.
R38 : Irritating to skin.
R41 : Risk of serious damage to eyes.
R42 : May cause sensitization by inhalation.
R43 : May cause sensitization by skin contact.
R50/53 : Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- Training advice** : For correct use of this product: see Technical Data Sheet.
- Sources of key data used** : MSDS and additional literature data of the respective suppliers.
- Further information** : None.
- Revision** : Revision - See : *
- Print date** : 31 / 10 / 2012

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