

SAFETY DATA SHEET

1. Identification of the substance/preparation and of the company/undertaking

1.1. Product name: Dishwasher tablets 5 in 1

1.2. Product description: The product is designed for washing dishes in automatic dishwashers.

1.3. Distributor: Well Done St. Moritz Kft.

Address: H-2900 Komárom, Mártírok útja 92. Hungary

Phone number: (36) 34 340 312, Fax number: (36) 34 540 129

E-mail: welldone@welldone.eu

www.welldone.eu

1.4. Emergency Call: Hungarian Health and Toxicological Information Service (ETTSZ)

Phone number: (+36) 1 476-6464, (+36) 80 201-199

2. Hazard identification

The product is classified as a hazardous preparation

2.1. Classification: Eye Irrit. 2, H319

2.2. Labeling: necessary pictogram: GHS07

WARNING



H-phrases:

H319 Causes serious eye irritation.

EUH208 Contains enzyme (subtilisin, α -amiláz). May produce an allergic reaction.

P-phrases:

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

P102 Keep out of reach of children.

P264 Wash your hands thoroughly after treatment

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

Hazard determining components: Sodium carbonate, citric acid

Composition according to the 648/2004 / EC: <5%: oxygen-based bleach, <5% nonionic surfactants, <5%: polycarboxylates, <5%: EDTA and its salts. It contains enzymes and fragrance.

2.3. Other information: It contains sodium percarbonate, during the decomposition of oxygen evolution which sustain combustion. Thermal contact with acids, and carbon dioxide is released.

3. Composition/information on ingredients

Hazardous components Concentration Classification, H phrases* Exposure limits**

Sodium carbonate CAS No: 497-19-8 EU No: 207-838-8 30-50% Eye Irrit. H319

Sodium percarbonate CAS No: 15630-89-4 EU No: 239-707-6 <4,5% Ox.Sol.2 H272, Acute Tox. 4 (oral) H302

citric acid	CAS No: 77-92-9	EU No: 201-069-1	<10 %	Skin Irrit. 2, H315 Eye Dam.1,H318 Eye Irrit. 2, H319
Lipase, triacylglycerol	CAS No: 9001-62-1	EU No: 232-619-9	<0,1%	Resp. Sens. 1, H334
α -amylase	CAS No: 9000-90-2	EU No: 232-565-6	<0,1%	Resp. Sens. 1, H334
subtilisin	CAS No: 9014-01-1	EU No: 232-752-2	<0,1%	Resp. Sens. 1, H334 Eye Dam.1,H318 Skin Irrit. 2, H315 STOT SE 3, H335 Aquatic Acute 1, H400; Aquatic Chronic 1, H410

The other components are not dangerous, or their concentrations are low enough not to be taken into consideration in the classification and labeling of the product according to the relevant EC regulations.

* Find explanation of the meaning of H phrases for the pure substance(s) in Section 16.

** Details are in Section 8.

4. First Aid measures

4.1.General information: Move victim away from the source of exposure. Remove contaminated shoes,

socks and clothing and they should be cleaned or washed before re-use. To drink water or to induce vomiting is forbidden if the victim is unconscious or suffers from convulsions.

If toxic symptoms develop or suspicion of intoxication arises call a poison control centre or physician immediately. Show the label and the safety data sheet of the product to the physician.

4.2.If inhaled: Move victim to fresh air, keep in rest and warm, dragging garments should be loosened. Seek immediate medical attention.

Skin: Remove contaminated clothing and shoes. Wash off the affected skin with cold running water and soap thoroughly . If corrosive injuries happen, immediate medical help or hospitalization is necessary. Wash the contaminated clothing before re-use.

Eye: Flush eyes with large amount of water holding the eyelids wide open and moving eyeballs continuously for at least 15 minutes.

If swallowed: Wash out mouth cavity with water if the victim is conscious. DO NOT INDUCE vomiting. Have conscious person drink several glasses of water .

Never give an unconscious person anything to ingest. If foam appears, do not make victim drink water, and take care not to let foam get into the lung. Seek immediate medical attention. Show the label and the safety data sheet of the product to the physician.

5. Fire fighting measures

5.1.Suitable extinguishing media: water spray, dry chemical; adapt fire fighting operation to surrounding fire

5.2.Special hazards arising from the mixture: In case of nearby fire hazard decomposition occurs, the released oxygen is oxidizing. Contains peroxy, during combustion, oxygen may be released during decomposition. The perkarbonátokból contact with water, oxygen evolves. The dry product was not sprayed with water as the developing oxygen enhances combustion.

5.3. Advice for firefighters: Wear suitable protective clothing and breathing apparatus independent from ambient air. Persons with no protective equipment removed.

6. Accidental release measures

6.1.Person-related precautionary measures: Ensure good ventilation for large quantities if the fragmented tablets, elmorzsolódtak. Personal protective equipment is required, use a protective dust mask, safety goggles. Avoid creating dust. **6.2.Spill/release:** The discharge immediately start. The scattered tablets collect, Sweep / pick up with and treated as chemical waste. Closed Store in labeled containers, destruction carried out in accordance with local regulations.

6.3.Environmental precautions: Prevent spilled material or wash water from entering into drains, surface waters, sewers, groundwater systems.

7. Handling and storage

7.1. Handling: Work watchfully! Prevent eye, skin contact and accidental ingestion. Do not breathe the mist/spray of the product! Do not mix it with other detergents!

7.2. Storage: Cool and protected from direct sunlight in a dry place food, beverages, animal feed must be kept away. Acids, alkalis, reducing substances, organic compounds, fémsóktól, Keep away from combustible materials! No smoking! Keep out of the reach of children times! Keep away from sources of heat. Protect from moisture.

Recommended storage temperature: 25 ° C

7.3. Specific End: dishwasher detergent.

8. Exposure controls/personal protection

8.1. control parameters

Occupational exposure limits:

Sodium carbonate : TWA, 3 mg/m³ as STEL 6 mg/ m³

subtilisin : TWA: 0,00006 mg/m³

STEL: short term exposure level, TWA: 8 hrs time-weighted average

8.2. Technical measures:

- Ensure that the usual protective measures of handling chemicals are kept.
- Ensure sufficient ventilation.
- Provide appropriate personal protective equipments.

8.3. Hygiene measures:

- Do not eat, drink or smoke while handling.
- Wash hand thoroughly after handling.

8.4. Personal protective equipments:

- Skin protection: not required under normal use
- Eye protection: It is not necessary as the product is a tablet formulation.
- Respiratory protection: not required.

9. Physical and chemical properties

Physical form: solid

Appearance: tablet

Odor: characteristic, citrus

Water solubility: Insoluble

pH: 9 - 11 (1% solution in distilled water, 25 C)

Explosion limits: no data available

Pour point: no data available

Flash point: no data available

10. Stability and reactivity

10.1. Reactivity: water causes oxygen-evolving, sodium percarbonate decomposes, oxygen evolution. Exposure to acid evolve carbon dioxide.

10.2. Chemical stability: The product is stable under normal condition (ambient temperature and atmospheric pressure).

10.3. Possibility of hazardous reactions: an oxidising agent, see 10.5. section.

10.4. Conditions to avoid: heat, moisture, sunlight, Incompatibility materials.

10.5. Materials to avoid: strong acids, organic materials and metal salts (aluminum, nickel, lead) and metal ions, reducing agents.

10.6. Hazardous decomposition products: oxygen (oxidizing the overpressure may develop).

11. Toxicological information

11.1. Information on toxicological effects: The preparation toxicology studies have been performed, only judgment made in accordance with the provisions of the CLP Regulation on the basis of toxicological data on ingredients, their classification and concentration.

Acute toxicity: Harmful if swallowed mixture is not classified, estimated oral LD50 > 2000 mg / kg. The acute oral LD50 value of the sodium percarbonate: 1031 - 2000 mg / kg

Based on the composition irritating to the eyes, damage to eyes: irritant effect. Slightly irritate skin in case of prolonged contact.

Respiratory and skin sensitization: Toxicological data are not available, the product Resp. It includes enzymes classified class Sens.1 (alpha-amylase, subtilisin).

Specific target organ toxicity: Toxicological data are not available.

Aspiration hazard: Toxicological data are not available.

Practical / human experience: No information available.

CMR (carcinogenic, mutagenic and toxic for reproduction) properties: the product consists of not as CMR substances.

11.2. Effects of exposure to the substance:

Lung: the product is formulated as a tablet, free of dust.

Skin: may irritate the skin.

Eyes: irritating, can cause severe eye damage, due to the sodium percarbonate water decomposes hydrogen peroxide and sodium carbonate.

Ingestion: can occur stomach, abdominal pain, burning sensation.

12. Ecological information

12.1. Toxicity: studies have been performed. It considered solely on the basis of data for the components, the product is not classified dangerous mixture in the environment.

Sodium carbonate Toxicity to aquatic organisms:

LC50 (sunfish, 96 h): 300 mg / l;

EC50 (invertebrates, 48 h): 200-227 mg / l

Sodium percarbonate toxicity for aquatic organisms:

LC50 (Fathead minnows, 96 h): 70.7 mg / l

EC50 (Daphnia Pulex, 48 h): 4.9 mg / l

EC50 (Anabaeba, 140 h): 8 mg / l

12.2. Bioaccumulation: Not typical no data.

12.3. Mobility in soil: No data.

12.4. PBT, vPvB assessment: No data.

12.5. Other information: None known.

13. Disposal considerations

Product disposal: In accordance with local regulations.

Packaging disposal: In accordance with local regulations.

14. Transport information

According to the international transport regulations:

(ADR / RID, IMDG, IATA / ICAO) Dangerous Goods are not

15. Regulatory information

Relevant Community legislation, (1907/2006/EC) and amendments (987/2008 , 134/2009/EK , 552/2009/EK , 453/2010/EK) REACH Regulation DSD and DPD Directive, 67/548/EEC and 1999/45/EC CLP Regulation (1272/2008/EC) , as amended Biocidal pieces of legislation: Directive 98/8/EC No 1451/2007/EK Detergent Regulation, 648/2004/EC and its amendments Relevant national legislation Chemical safety: 2005th CXXVII . to 2004. XXVI . amended by Law 2000th XXV . Dangerous for the environment , the 44/2000. (. XII.27) Ministry of Health and its amendments ;25 / 2000th (IX.30 .) ACGIH TLV band and its amendments . Health and safety: the 2007th CLXII year . Law for 2004. Act XI . Law and the 1997th CII . amended by Law 1993rd XCIII . Occupational Safety and Health Act. Biocides Regulation 38 / 2003rd (. VII.7) ESzCsSM Ministry of Agriculture , Ministry of Environment co - regulation and amendments thereto; Waste : . (. Chapter 15) 98/2001 Decree , and the 16 / 2,001th KöM (VII.18 .) Fire protection: the 1996 Convention. Act XXXI . Law on protection against fire, technical rescue and fire brigades , the 9 / of 2008. ÖTM (II.22 .) .

16. Other information

The safety data sheet is characterized by the safety requirements of the product and is not intended to guarantee certain of its properties, is not a substitute for product specifications. The information, data and recommendations contained in this safety data sheet is based on our best knowledge and awareness, and they are accurate, we know to be correct at time of publication and believe. The user takes responsibility for themselves as to the application and use of the product. The data does not imply any legal liability or responsibility for the consequences of any circumstances, use or misuse of the result.

Explanations used for the hazard

Flam Liquid 2 Flammable liquid category 2

Ox.Sol.2 Oxidising solid category 2

Eye Irrit.2 Eye irritation, category 2

Skin Irrit. 2 Skin Irritation category 2

Acute Tox.4 Acute toxicity category 4

Eye Dam.1 Serious eye damage category 1

STOT SE 3 Organ toxicity, single exposure. category 3

Reps.Sens.1 Respiratory sensitization category 1

Aquatic Chronic 1 The aquatic environment is dangerous, long-term threat. category 1

Aquatic Acute 1 It is an acute hazard to the aquatic environment. category 1

H phrases (indications of danger) used in step 3 Safety Data Sheet:

H226 Flammable liquid and vapour.

H272 May intensify fire; oxidiser.

H302 Harmful if swallowed

H304 May be fatal if swallowed and enters airways.

H315 Skin irritation

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H335 May cause respiratory irritation.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

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