

Safety Data Sheet

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

1.1. Product identifier

Code: DTU25, DTU72

Name DISHWASHER TABLETS 25 ULTRA ALL IN ONE

UFI CODE: 1P00-X06K-0003-PMQG

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

Description / Use detergent in dishwasher tablets.

1.3. Details of the supplier of the safety data sheet

Company Ecozone Ltd
 Address Loc. 10 Barley Mow Passage
 District and Country Chiswick, London
 United Kingdom
 tel. 0345 230 4200
 fax 0845 230 4220
 e-mail address of the competent person
 responsible for the safety data sheet trade@ecozone.co.uk

1.4. Emergency telephone number

For urgent inquiries refer to 0345 230 4200 (10:00-16:00)

SECTION 2 Hazards Identification.

2.1. Classification of the substance or mixture.

The product is classified as hazardous pursuant to the provisions laid down in Regulation (EC) 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety data sheet complies with the provisions of Regulation (EC) 1907/2006 and subsequent amendments. Any additional information concerning the risks for health and / or the environment are given in sections. 11 and 12 of this sheet.

2.1.1. 1272/2008 Regulation (CLP) and subsequent amendments.

Classification and hazard statements:
 Eye Irrit. 2 H319

2.1.2. Directives 67/548/1999/45 / EC and following amendments and adjustments.

Hazard symbols:
 Xi
 R-phrases:
 41

The full wording of the Risk (R) and hazard (H) phrases is given in section 16.

2.2. Label's elements.

Hazard labeling pursuant to Regulation (EC) 1272/2008 (CLP) and subsequent amendments.

Hazard pictograms:



Warning

Indications of danger:

H319 Causes severe eye irritation.

Precautionary statements:

P101 If medical advice is needed, please have the product container or label

P102 Keep out of the 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 to rinse.

P337 + P313 attention if irritation of the eyes persists, consult a physician.

2.3. Other hazards.

Information not available.

SECTION 3 Composition / information on ingredients.

3.1. Substances.

Information not relevant.

3.2. Mixtures.

contains:

Identification	Conc. %.	Classification 67/548/CEE.	Classification 1272/2008 (CLP).
SODIUM CARBONATE CAS. 497-19-8 CE. 207-838-8 INDEX. 011-005-00-2 Nr. Reg. 01-2119485498-19	10 - 25	Xi R36	Eye Irrit. 2 H319
SODIUM PERCARBONATE CAS. 15630-89-4 CE. 239-707-6 INDEX. - Nr. Reg. 01-2119457268-30	10 - 20	O R 8, Xn R22, Xi R41	Ox. Sol. 3 H272, Acute Tox. 4 H302, Eye Dam. 1 H318
SODIUM SILICATE CAS. 1344-09-8 CE. 215-687-4 INDEX. - Nr. Reg. 01-2119448725-31	5 - 15	Xi R36/37/38	Eye Irrit. 2 H319, Skin Irrit. 2 H315, STOT SE 3 H335
CITRIC ACID MONOHYDRATE CAS. 5949-29-1 CE. 201-069-1 INDEX. - Nr. Reg. 02-2119457026-42	1 - 5	Xi R36	Eye Irrit. 2 H319
LONG CHAIN ALCOHOL, ALKOXYLATED CAS. - CE. - INDEX. -	1 - 5	Xi R36/38	Eye Irrit. 2 H319, Acute Tox. 2 H315

Note: A value greater than the range excluded.

The full wording of the Risk (R) and hazard (H) phrases is given in section 16.

T + = Very Toxic (T +), T = Toxic (T), Xn = Harmful (Xn), C = Corrosive (C), Xi = Irritant (Xi), O = Oxidising (O), E = Explosive (E), F + = Extremely Flammable (F +), F = Highly Flammable (F), N = Dangerous for the Environment (N)

SECTION 4 First aid measures.

4.1. Description of first aid measures.

EYE: Remove any contact lenses. Wash immediately with plenty of water for at least 15 minutes, opening her eyelids. Consult a doctor if the problem persists.

SKIN: Take off contaminated clothing. Wash immediately with plenty of water. If irritation persists, consult a physician. Wash contaminated clothing before reuse.

INHALATION: Move to fresh air. If breathing is difficult, call a physician immediately.

INGESTION: Consult a physician immediately. Induce vomiting only if indicated by the doctor. Never give anything by mouth to an unconscious person unless authorized by the physician.

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

For symptoms and effects caused by the contained substances see chap. 11.

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

Information not available.

SECTION 5 Fire fighting measures.

5.1. Extinguishing media.

SUITABLE EXTINGUISHING MEDIA

Extinguishing media which are the conventional kind: carbon dioxide, foam, powder and nebulised water.

NOT SUITABLE EXTINGUISHING MEDIA

None in particular.

5.2. Special hazards arising from the substance or mixture.

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

Avoid breathing products of combustion.

5.3. Advice for firefighters all'estinzione fire.

General information

Cool by spraying with water the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention. Collect extinguishing water must not be discharged into drains. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

EQUIPMENT

Normal clothing to fight the fire, like a compressed air breathing apparatus open circuit (EN 137), complete with flame retardant (EN469), flame-resistant gloves (EN 659) and boots for the Fire Department (HO A29 or A30).

Section 6: Accidental Release Measures.

6.1. Personal precautions, protective devices and procedures in case of emergency.

Avoid formation of dust by spraying with water if there are no contraindications. Avoid breathing vapors / mists / gas.

Wear suitable protective equipment (including personal protective equipment referred to in Section 8 of the safety data sheet) to prevent contamination of skin, eyes and personal clothing. These instructions are valid for both clerks who work for emergency interventions.

6.2. Environmental precautions.

Prevent product from entering drains, surface water, ground water.

6.3. Methods and materials for containment and cleaning up.

Pick up mechanically sparking the leaked product and place in containers for recovery or disposal. Eliminate the rest using jets of water if there are no contraindications.

Ensure adequate ventilation of the area affected by the loss. Check any incompatibilities for the container material in Section 7 Disposal of contaminated material must be done in accordance with the provisions of section 13.

6.4. Reference to other sections.

Any information on personal protection and disposal is given in sections 8 and 13.

SECTION 7 Handling and storage.

7.1. Precautions for safe handling.

Handle the product after consultation with all other sections of this MSDS. Avoid dispersal into the environment. Do not eat, drink or smoke during use. Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

7.2. Conditions for safe storage, including any incompatibilities.

Store only in original container. Store closed containers in a well ventilated place, away from direct sunlight. Store containers away from any incompatible materials, verifying section 10.

7.3. Specific end use.

Information not available.

SECTION 8 Exposure controls / personal protection.

8.1. Control parameters.

Information not available.

8.2. Exposure controls.

As the use of adequate technical equipment must always take priority over personal protection equipment, ensure good ventilation at the workplace through effective local aspiration.

For the selection of personal protective equipment if necessary, request advice from their chemical supplier.

The personal protective equipment must carry the CE mercatura attesting to their compliance with applicable regulations.

Provide emergency shower pan with visoculare.

HAND PROTECTION

In case there is a prolonged contact with the product, we recommend that you protect your hands with gloves resistant to penetration (ref. Standard EN 374).

Final selection of glove material work you must also consider the process of using the product and any additional products derived from it. It is also recalled that the latex gloves can give rise to sensitization phenomena.

SKIN PROTECTION

Wear work clothes with long sleeves and safety shoes for professional use in category I (ref. Directive 89/686 / EEC and EN ISO 20344). Wash with soap and water after removing protective clothing.

EYE PROTECTION

It is advisable to wear protective airtight goggles (ref. Standard EN 166).

RESPIRATORY PROTECTION

Not required, unless otherwise stated in chemical risk assessment.

Emissions from production processes, including those from ventilation should be monitored for the purposes of compliance with applicable environmental protection.

SECTION 9 Physical and chemical properties.

9.1. Information on basic physical and chemical.

Physical State Solid
white blue and green
characteristic odor
Odour threshold. Not available.
pH. 10.5
Melting or freezing. Not available.
Initial boiling point. Not available.
Boiling range. > Not available.
Flash point. Not available.
Evaporation rate Not available.
Flammability of solids and gases Not available.
Lower limit of flammability. Not available.
Upper limit of flammability. Not available.
Lower explosive limit. Not available.
Upper explosive limit. Not available.
Vapor pressure. Not available.
Vapour density Not available.
Relative density. 1,000 Kg / l
Solubility soluble in water
Partition coefficient n-octanol / water: Not available.
Auto-ignition temperature. Not available.
Decomposition temperature. Not available.
Not available.
Explosive properties Not available.
Oxidizing properties: Not available.

9.2. Other information.

Information not available.

SECTION 10 Stability and reactivity.

10.1. Reactivity.

There are no particular risks of reaction with other substances in normal conditions of use.

10.2. Chemical stability.

The product is stable in normal conditions of use and storage.

10.3. Possibility of hazardous reactions.

In normal conditions of use and storage is not hazardous reactions are foreseeable.

10.4. Conditions to avoid.

None in particular. However the usual precautions against chemicals.

10.5. Incompatible materials.

Information not available.

10.6. Hazardous decomposition products.

Information not available.

SECTION 11 Toxicological information.

11.1. Information on toxicological effects.

In the absence of experimental toxicological data on the product itself, the possible health hazards of the product were evaluated based on the properties of substances according to the criteria laid down in the relevant legislation for the classification. Consider therefore the concentration of each substance may be hazardous mentioned in sect. 3, for assessing the toxicological effects deriving dall'esposizione the product.

Acute Effects: Contact with eyes causes irritation; Symptoms may include redness, swelling, pain and tearing.

Inhalation of vapors may cause mild irritation of the upper respiratory tract; contact with the skin may cause slight irritation.

Ingestion may cause health problems, including stomach pain and sting, nausea and vomiting.

Citric acid monohydrate

LD50 (Oral). 5400 mg / kg rat

LD50 (Dermal). > 2000 mg / kg

Sodium percarbonate

LD50 (Oral). 1034 mg / kg

LC50 (Inhalation). 1200 mg / m³

SODIUM SILICATE

LD50 (Oral). > 3400 mg / kg Rat

SODIUM CARBONATE

LD50 (Oral). 4090 mg / kg Rat

LD50 (Dermal). 117 mg / kg Mouse

LC50 (Inhalation). 2.3 mg / l / 2h Rat

SECTION 12 ECOLOGICAL INFORMATION.

Use according to good working practices, avoiding disposal in the environment. Inform the competent authorities, should the product reach waterways or sewers or contaminate soil or vegetation.

12.1. Toxicity.

Laureth-7

LC50 - Pisces.

10 mg / l / 96h Leuciscus idus

12.2. Persistence and degradability.

no one.

12.3. Bioaccumulation potential.

Information not available.

12.4. Mobility in soil.

Information not available.

12.5. Results of PBT and vPvB.

Based on the available data, the product does not contain any PBT or vPvB in proportion greater than 0.1%.

PBT: none

vPvB Substances: None.

12.6. Other adverse effects.

no one.

SECTION 13 Disposal considerations.

13.1. Methods of waste treatment.

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.

Disposal must be performed through an authorized waste management, in compliance with national and local regulations.

Avoid release of the product into the soil, sewers and waterways.

CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

Recover if possible.

To dispose of the product or containers, uncleaned / reclaimed rivolgersi a società espressamente autorizzata per la gestione dei rifiuti (recupero o smaltimento di rifiuti pericolosi).

The containers cleaned / decontaminated should be disposed of / recovered as special rifiuti.

Never discharge the product into surface water or groundwater.

Where applicable, refer to the following standards: 91/156 / EEC, 91/689 / EEC, 94/62 / EC and subsequent adjustment.

SECTION 14 TRANSPORT INFORMATION.

The product is not classified as dangerous under current provisions of the Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), by sea (IMDG Code) and by air (IATA).

Section 15 Regulatory information.

15.1. Standards and legislation on health, safety and environment specific for the substance or mixture.

Seveso category. No.

Restrictions relating to the product or contained substances pursuant to Annex XVII to Regulation (EC) 1907/2006.

No.

Substances in Candidate List (Art. 59 REACH).

No.

Substances subject to authorization (Annex XIV REACH).

No.

Substances subject to export notification Reg. (EC) 649/2012:

No.

Substances under the Rotterdam Convention:

No.

Substances subject to the Stockholm Convention:

No.

Healthcare controls.

Workers exposed to this chemical agent must not undergo health surveillance carried out in accordance with the provisions of art. 41 of Legislative Decree no. 81 dated 9 April 2008 unless the risk to the safety and health of the worker is irrelevant and has been assessed, in accordance with art. 224, paragraph 2.

15.2. Chemical Safety Assessment.

Has not been processed a chemical safety assessment for the mixture and the substances it contains.

SECTION 16 Other information.

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

Ox. Sol. 3 Oxidizing solid, Category 3

Acute Tox. 4 Acute toxicity, category 4

Eye Dam. 1 Serious eye damage, category 1

Eye Irrit. 2 Eye irritation, category 2

Skin Irrit. 2 Skin irritation, category 2

STOT SE 3 Specific target organ toxicity - single exposure, category 3
Resp. Sens. 1A respiratory sensitization, category 1A
H272 May intensify fire; combustion air.
H302 Harmful if swallowed.
H318 Causes severe eye damage.
H319 Causes severe eye irritation.
H315 Causes skin irritation.
H335 May cause respiratory irritation.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Text of risk (R) phrases mentioned in section 2-3 of the sheet:

R 8 MAY CAUSE THE IGNITION OF COMBUSTIBLE MATERIALS.
R22 HARMFUL IF SWALLOWED.
R36 Irritating to eyes.
R36 / 37/38 IRRITATING TO EYES, RESPIRATORY AND SKIN.
R37 / 38 IRRITATING TO RESPIRATORY AND SKIN.
R41 Risk of serious damage to eyes.
R42 May cause sensitization by INHALATION.
R50 VERY TOXIC TO AQUATIC ORGANISMS.

LEGEND:

- ADR: European Agreement on the Transport of Dangerous Goods by Road
- NUMBER CAS: Chemical Abstract Service
- EC50: Concentration that gives effect to 50% of the population subject to testing
- EC NUMBER: ID number in ESIS (European archive of existing substances)
- CLP: Regulation 1272/2008
- DNEL: Derived no effect level
- Ems: Emergency Schedule
- GHS: Globally Harmonised System for the Classification and Labelling of Chemicals
- IATA DGR: Regulations for the Safe Transport of Dangerous Goods by the International Air Transport Association
- IC50: Concentration of immobilization of 50% of the population subject to testing
- IMDG: International Maritime Code for the Transport of Dangerous Goods
- IMO: International Maritime Organization
- INDEX NUMBER: ID number nell'Annesso VI of the CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent, bioaccumulative and toxic in accordance with the REACH
- PEC: Predicted Environmental Concentration
- PEL: predictable level of exposure
- PNEC: predicted no-effect concentration
- REACH Regulation EC 1907/2006
- RID: Regulations concerning the international carriage of dangerous goods by rail
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time EXPOSURE work.
- TWA STEL: Short Term Exposure Limit
- TWA: weighted average exposure limit
- VOC: Volatile Organic Compound
- VPvB: Very persistent and very bioaccumulative in accordance with the REACH
- Water hazard class: Water hazard class (Germany).

GENERAL BIBLIOGRAPHY

- 1 Directive 1999/45 / EC, as amended
- 2 Directive 67/548 / EEC and subsequent amendments
- 3 Regulation (EC) 1907/2006 of the European Parliament (REACH)
- 4 Regulation (EC) 1272/2008 of the European Parliament (CLP)
- 5 Regulation (EC) 790/2009 of the European Parliament (I Atp. CLP)
- 6 Regulation (EC) 453/2010 of the European Parliament
- 7 Regulation (EC) 286/2011 of the European Parliament (ATP II. CLP)
- 8 Regulation (EC) 618/2012 of the European Parliament (ATP III. CLP)
9. The Merck Index. Ed. 10
- 10 Handling Chemical Safety
- 11 Niosh - Registry of Toxic Effects of Chemical Substances
- 12 INRS - Fiche Toxicologique



ECOZONE Ltd

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DTU _ DISHWASHER ULTRA TABS

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13 Patty - Industrial Hygiene and Toxicology
14 N.I. Sax - Dangerous properties of Industrial Materials-7 Ed., 1989
15 Web Agency ECHA

Note: USER:

The information contained in this data sheet is based on the knowledge available to us at the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

It should not be construed as a guarantee on any specific product property.

The use of this product is not subject to our direct control, users must, under their own responsibility, laws and regulations relating to health and safety.

We assume no responsibility for improper use.

Provide adequate training to staff to use chemicals.

Modified par. 2/3