

Ecozone Pure Oxygen Whitener Tablets

Safety Data Sheet

1. IDENTIFICATION OF SUBSTANCE / PREPARATION AND COMPANY / UNDERTAKING

1.1. Identification of the substance or preparation

Code: OXYTW12 / OXYTW48
Trade name: Ecozone Oxy White Tabs

UFI CODE: V500-W026-5004-QK73

1.2. Relevant identified uses of the substance / mixture and uses advised

Product type and use: Stain remover tabs

1.3. Details of the supplier's safety data sheet

Supplier: ECOZONE LTD
Address: Barley Mow Centre, 10 Barley Mow Passage
W4 4PH - Chiswick
United Kingdom
tel. 0345 230 4200

e-mail address of the competent person

responsible for the safety data sheet: trade@ecozone.com

1.4. Emergency Phone Number For urgent information contact to

0345 230 4200 – 10:00-16:00

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

The product is classified as dangerous according to the provisions of Regulation (EC) 1272/2008 (CLP) (and subsequent amendments and adjustments).

The product therefore requires a safety data sheet in accordance with the provisions of Regulation (EU) 2015/830. Any additional information regarding health and / or environmental risks is given in the sections. 11 and 12 of this sheet.

Classification and indications of danger: Eye irritation, category 2 H319 Causes serious eye irritation.

2.2. Label elements.

Hazard labelling according to Regulation (EC) 1272/2008 (CLP) and subsequent modifications and adjustments.



Warnings: Warning

Hazard statements:

H319 Causes serious eye irritation.

Precautionary statements:

P101 If medical advice is needed, please have the product container or label P102 Keep out of reach of children.

P280 Protect your eyes and face.

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, get medical advice/attention.

2.3. Other hazards.

Information not available

3. Composition / Information on Ingredients.

3.1. Substances.

Information not relevant.

3.2. Mixtures.

contains:

Identification	X= Conc. %.	Classification 1272/2008 (CLP).
DISODIUM CARBONATE, COMPOUND WITH HYDROGEN PEROXIDE (2: 3) CAS. 15630-89-4 CE. 239-707-6 INDEX. 016-026-00-0 Nr. Reg. 01-2119457268-30	15 ≤ x < 25	Ox. Sol. 3 H272, Acute Tox. 4 H302, Eye Dam. 1 H318
CITRIC ACID CAS. 5949-29-1 CE. 201-069-1 INDEX. - Nr. Reg. 02-2119457026-42	19 ≤ x < 29	Eye Irrit. 2 H319
SODIUM CARBONATE CAS. 497-19-8 CE. 207-838-8 INDEX. 011-005-00-2 Nr. Reg. 01-2119485498-19	5 ≤ x < 7	Eye Irrit. 2 H319
SUBTILISIN CAS 9014-01-1 CE 232-752-2 INDEX - Nr. Reg. 01-2119480434-38	0,01 ≤ x < 0,02	Acute Tox. 4 H302, Eye Dam. 1 H318, Skin Irrit. 2 H315, STOT SE 3 H335, Resp. Sens. 1 H334, Aquatic Acute 1 H400 M=1, Aquatic Chronic 2 H411

The full text of the hazard indications (H) is shown in section 16 of the sheet.

4. First Aid Measures

4.1. Description of first aid measures

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

SKIN: Remove contaminated clothing. Wash immediately with plenty of water. If irritation persists, consult a doctor. Wash the contaminated garments before reusing them.

INHALATION: Bring the subject to fresh air. If breathing is difficult, call a doctor immediately.

INGESTION: Consult a doctor immediately. Induce vomiting only upon medical advice. Do not give anything by mouth if the person is unconscious and if not authorized by the doctor.

4.2. Main symptoms and effects, both acute and delayed

No specific information on symptoms and effects caused by the product is known.

4.3. Indication of any need to immediately consult a doctor and special treatments

Information not available

5. Fire-fighting Measures

5.1. Fire fighting

SUITABLE MEANS OF EXTINGUISHING

The extinguishing media are the traditional ones: carbon dioxide, foam, dust and water spray.

MEANS OF EXTINCTION NOT SUITABLE

No one in particular.

5.2. Special hazards arising from the substance or mixture

HAZARDS DUE TO EXPOSURE IN THE EVENT OF FIRE

Avoid breathing combustion products. The product is combustible and, when the dust is dispersed in the air in sufficient concentrations and in the presence of an ignition source, it can give explosive mixtures with the air. The fire can develop or be fed further by the solid, eventually escaping from the container, when it reaches high temperatures or due to contact with ignition sources.

5.3. Recommendations for fire-fighters

GENERAL INFORMATIONS

Cool the containers with water jets to avoid decomposition of the product and the development of substances potentially hazardous for health. Always wear the complete fire protection equipment. Collect extinguishing water that must not be discharged into drains. Dispose of contaminated water used for extinction and the remains of the fire according to the regulations in force.

EQUIPMENT

Normal fire fighting clothing, such as an open circuit compressed air breathing apparatus (EN 137), flame retardant (EN469), fireproof gloves (EN 659) and firefighter boots (HO A29 or A30).

6. Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid dust formation by spraying the product with water if there are no contraindications.

Wear appropriate protective equipment (including personal protective equipment referred to in section 8 of the safety data sheet) to prevent contamination of the skin, eyes and personal clothing. These indications are valid both for workers involved in the work and for emergency interventions.

6.2. Environmental precautions

Prevent the product from entering sewers, surface waters, water tables.

6.3. Methods and materials for containment and remediation

Collect the spilled product and place it in containers for recovery or disposal. Eliminate the residue with jets of water if there are no contraindications.

Ensure adequate ventilation of the area affected by the loss. Evaluate the compatibility of the container to be used with the product, checking section 10. The disposal of contaminated material must be carried out in accordance with the provisions of point 13.

6.4. Reference to other sections

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

7. Handling and Storage

7.1. Precautions for Safe Handling

Handle the product after consulting all the other sections of this safety data sheet. Avoid dispersion of the product in the environment. Do not eat, drink or smoke during use. Remove contaminated clothing and protective equipment before entering areas where you eat.

7.2. Conditions for safe storage, including any incompatibilities

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

7.3. Specific end uses

Information not available

8. Exposure Controls / Personal Protection

8.1. Control parameters

Normative requirements:

EU OEL EU Directive (EU) 2017/2398; Directive (EU) 2017/164; Directive 2009/161 / EU; Directive 2006/15 / EC; Directive 2004/37 / EC; Directive 2000/39 / EC; Directive 91/322 / EEC.

DISODIUM CARBONATE, COMPOSED WITH HYDROGEN PEROXIDE (2: 3)

Expected concentration of no effect on the environment - PNEC Reference value in fresh water 0.035 mg / l

Reference value in sea water 0.035 mg / l

Reference value for STP microorganisms 16.24 mg / l Health

- Derived no-effect level - DNEL / DMEL

Effects on consumers Effects on workers

Route of exposure Acute local Acute systemic Chronic local Chronic systemic Acute local Acute systemic

systemic Chronic local Chronic systemic Inhalation 5 mg / m³ VND Dermal 6.4 mg VND 6.4 mg / m² VND 12.8 mg / cm² VND 12.8 mg / cm² VND

SODIUM CARBONATE

Health - Derived no-effect level - DNEL / DMEL

Effects on consumers Effects on workers

Route of exposure Acute local Acute systemic Chronic local Chronic systemic Acute local Acute systemic

Chronic local Chronic systemic Inhalation 10 mg / m³ VND 10 mg / m³ VND

subtilisin

Threshold Limit Value

Type Country TWA / 8h STEL / 15min

mg / m³ ppm mg / m³ ppm OEL EU

4E-05 30

Legend:

(C) = CEILING; INALAB = Inhalable Fraction; RESPIR = Breathable Fraction; TORAC = Thoracic Fraction.

VND = identified hazard but no DNEL / PNEC available; NEA = no expected exposure; NPI = no identified danger.

It is recommended to consider in the risk assessment process the occupational exposure limit values provided by the ACGIH for inert powders not otherwise classified (PNOG respirable fraction: 3 mg / mc; PNOG inhalable fraction: 10 mg / mc). If these limits are exceeded, we recommend using a type P filter whose class (1, 2 or 3) must be chosen based on the outcome of the risk assessment.

8.2. Exposure controls

Considering that the use of adequate technical measures should always take priority over personal protection equipment, ensure good ventilation in the workplace through effective local aspiration.

For the selection of personal protective equipment, ask your chemical suppliers for advice. Individual protection devices must bear the CE mark attesting to their compliance with current regulations.

Provide emergency shower with visocular tray.

HAND PROTECTION

In the event of prolonged contact with the product, it is advisable to protect the hands with penetration resistant work gloves (ref. Standard EN 374).

For the final choice of material for work gloves, the process of using the product and any other products derived from it must also be evaluated. It should also be remembered that latex gloves can cause sensitization.

SKIN PROTECTION

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

EYE PROTECTION

We recommend wearing protective airtight goggles (ref. Standard EN 166).

RESPIRATORY PROTECTION

We recommend the use of a type P filtering face mask whose class (1, 2 or 3) and actual need must be defined based on the outcome of the risk assessment (ref. Standard EN 149).

ENVIRONMENTAL EXPOSURE CHECKS

Emissions from production processes, including those from ventilation equipment, should be checked for compliance with environmental protection regulations.

9. Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Physical state **SOLID TABLET**
White color
characteristic odor
Odor threshold Not available pH
9,5 – 10,5
Melting or freezing point 0 ° C
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 inflammability limit Not available
Upper flammability limit Not available
Lower explosive limit Not available
Upper explosive limit Not available Vapor
pressure Not available
Vapor density Not available
Relative density Not available Solubility
soluble in water
Partition coefficient: n-octanol / water: Not available
Auto-ignition temperature Not available
Decomposition temperature Not available
Viscosity Not available
Explosive properties Not available Oxidising
properties Not available

9.2. Other information

Information not available

10. Stability and Reactivity

10.1. Reactivity

There are no particular risks of reaction with other substances in normal conditions of use.
Polyethylenglicol: It degrades slowly at high temperature in the presence of air.

10.2. Chemical stability

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

10.3. Possibility of dangerous reactions

Dusts are potentially explosive when mixed with air.

10.4. Conditions to avoid

Avoid the accumulation of dust in the environment.

10.5. Incompatible materials

Information not available

10.6. Hazardous decomposition products

Information not available

11. Toxicological Information

In the absence of experimental toxicological data on the product itself, the possible dangers of the health product have been assessed on the basis of the properties of the substances contained, according to the criteria set by the reference legislation for classification.

Therefore, consider the concentration of the individual dangerous substances possibly mentioned in section. 3, to assess the toxicological effects deriving from exposure to the product.

11.1. Information on toxicological effects

Metabolism, kinetics, mechanism of action and other information

Information not available

Information on likely routes of exposure

Information not available

Immediate, delayed and chronic effects deriving from short and long term exposure

Information not available

Interactive effects

Information not available

ACUTE TOXICITY

LC50 (Inhalation) of the mixture: Not classified (no relevant component)

LD50 (Oral) of the mixture:

> 2000 mg / kg

LD50 (Cutaneous) of the mixture:

Not classified (no relevant component)

CITRIC ACID

LD50 (Oral) 5400 mg / kg mouse

LD50 (Cutaneous) > 2000 mg / kg

DISODIUM CARBONATE, COMPOSED WITH HYDROGEN PEROXIDE (2: 3)

LD50 (Oral) 1034 mg / kg

LC50 (Inhalation) 1200 mg / m³

Subtilisin

LD50 (Oral) 1800 mg / kg

LD50 (Cutaneous) 2 ml / kg

LC50 (Inhalation) 0.8 ml / l

SODIUM CARBONATE

LD50 (Oral) 4090 mg / kg Rat

LD50 (Cutaneous) 117 mg / kg Mouse

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

SKIN CORROSION / SKIN IRRITATION

Does not meet the classification criteria for this hazard class

SERIOUS EYE DAMAGE / EYE IRRITATION

Causes serious eye irritation

RESPIRATORY OR CUTANEOUS AWARENESS

Does not meet the classification criteria for this hazard class

MUTAGENICITY ON GERMINAL CELLS

Does not meet the classification criteria for this hazard class

CARCINOGENICITY

Does not meet the classification criteria for this hazard class

TOXICITY FOR REPRODUCTION

Does not meet the classification criteria for this hazard class

SPECIFIC TOXICITY FOR TARGET ORGANS (STOT) - SINGLE EXPOSURE

Does not meet the classification criteria for this hazard class

SPECIFIC TOXICITY FOR TARGET ORGANS (STOT) - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class

DANGER IN CASE OF SUCTION

Does not meet the classification criteria for this hazard class

12. Ecological Information

Since no specific data is available on the preparation, use according to good working practices, avoiding dispersing the product in the environment. Avoid dispersing the product in the soil or water courses. Notify the competent authorities if the product has reached water courses or if it has contaminated the soil or vegetation. Take measures to minimize the effects on the aquifer.

12.1 Toxicity

DISODIUM CARBONATE, COMPOSED WITH HYDROGEN PEROXIDE (2: 3)
LC50 - Fish > 70 mg / l / 96h

Subtilisin
NOEC Chronic Algae / Aquatic Plants 0.041 mg / l

12.2. Persistence and degradability

SODIUM CARBONATE

Water solubility 1000 - 10000 mg / l Degradability:
data not available

The surfactants contained in this formulation comply with the biodegradability criteria established by Regulation (EC) n. 648/2004 relating to detergents. Surfactant Information

Persistence / B iodegradation

Test method: OECD 301

Evaluation: easily biodegradable

Soluble in water.

12.3. Bioaccumulation potential

Information not available

12.4. Mobility in the soil

Information not available

12.5. Results of PBT and vPvB assessment

Based on the available data, the product does not contain PBT or vPvB substances in a percentage higher than 0.1%.

PBT substances: none VPvB

substances: none.

12.6. Other adverse effects

No one.

13. Disposal Considerations

13.1. Waste treatment methods

Reuse, if possible. Product residues are to be considered special hazardous waste. The dangerousness of the waste that partly contains this product must be assessed according to the laws in force.

Disposal must be entrusted to an authorized waste management company, in compliance with national and local regulations.

CONTAMINATED PACKAGING

Contaminated packaging must be sent for recovery or disposal in compliance with national waste management regulations.

Recover if possible.

For the disposal of the uncleaned / reclaimed product or containers, contact companies expressly authorized to manage waste (recovery or disposal of hazardous waste).

The cleaned / reclaimed containers must be disposed of / recovered as special waste.

Never discharge the product in surface or underground water.

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

14. Transport Information

The product is not to be considered dangerous under the provisions in force regarding the transport of dangerous goods by road (A.D.R.), by rail (RID), by sea (IMDG Code) and by air (IATA).

Goods transported free of ADR.

14.1. UN number

Not applicable

14.2. UN shipping name

Not applicable

14.3. Hazard classes related to transportation

Not applicable

14.4. Packing group

Not applicable

14.5. Environmental hazards

Not applicable

14.6. Special precautions for users

Not applicable

14.7. Transport in bulk according to Annex II of MARPOL and the IBC code

Not relevant information

15. Regulatory Information

15.1. Legislative and regulatory provisions on health, safety and the environment specific to the substance or mixture Seveso category - Directive 2012/18 / EC: None

Restrictions relating to the product or the substances contained according to Annex XVII

Regulation (EC) 1907/2006 None

Substances in Candidate List (Art. 59 REACH)

Based on the available data, the product does not contain SVHC substances in a percentage higher than 0.1%.

Substances subject to authorization (Annex XIV REACH)

None

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

None

Substances subject to the Rotterdam Convention:

None

Substances subject to the Stockholm Convention:

None

Sanitary checks

Workers exposed to this hazardous chemical agent must be subjected to health surveillance carried out in accordance with the provisions of art. 41 of Legislative Decree 81 of 9 April 2008 unless the risk to the safety and health of the worker has been assessed as irrelevant, in accordance with the provisions of art. 224 paragraph 2.

15.2. Chemical safety assessment

No chemical safety assessment has been prepared for the mixture and the substances it contains.

16. Other Information

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

Ox. Sol. 3 Oxidising 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. 1 Respiratory sensitization, category 1
 Aquatic Acute 1 Hazardous to the aquatic environment, acute toxicity, category 1
 Aquatic Chronic 2 Hazardous to the aquatic environment, chronic toxicity, category 2 H272
 May intensify fire; combustion.
 H302 Harmful if swallowed.
 H318 Causes serious eye damage.
 H319 Causes serious eye irritation.
 H315 Causes skin irritation.
 H335 May cause respiratory irritation.
 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
 H400 Very toxic to aquatic organisms. H411 Toxic to aquatic life with long lasting effects.

LEGEND:

- ADR: European agreement for the transport of dangerous goods by road
- CAS NUMBER: Number of the Chemical Abstract Service
- EC50: Concentration that gives effect to 50% of the population subject to testing
- CE NUMBER: Identification number in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived level without effect
- EmS: Emergency Schedule
- GHS: Global harmonized system for the classification and labeling of chemical products
- IATA DGR: Regulation for the transport of dangerous goods of the International Air Transport Association
- IC50: Immobilization concentration of 50% of the population subjected to tests
- IMDG: International maritime code for the transport of dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identification number in the Annex VI of the CLP
- LC50: Lethal concentration 50%
- LD50: 50% lethal dose
- OEL: Occupational exposure level
- PBT: Persistent, bioaccumulating and toxic according to REACH
- PEC: Predictable environmental concentration
- PEL: Predictable level of exposure
- PNEC: Predictable no-effect concentration
- REACH: EC Regulation 1907/2006
- RID: Regulation for the international transport of dangerous goods by train
- TLV: Threshold Limit Value - TLV CEILING: Concentration that must not be exceeded during any time of occupational exposure.
- TWA STEL: Short-term exposure limit
- TWA: Average weighted exposure limit
- VOC: Volatile organic compound
- vPvB: Very persistent and very bioaccumulative according to REACH - WGK: Class of aquatic hazard (Germany).

GENERAL BIBLIOGRAPHY:

1. Regulation (EC) 1907/2006 of the European Parliament (REACH)
 2. Regulation (EC) 1272/2008 of the European Parliament (CLP)
 3. Regulation (EU) 790/2009 of the European Parliament (I Atp. CLP)
 4. Regulation (EU) 2015/830 of the European Parliament
 5. Regulation (EU) 286/2011 of the European Parliament (II Atp. CLP)
 6. Regulation (EU) 618/2012 of the European Parliament (III Atp. CLP)
 7. Regulation (EU) 487/2013 of the European Parliament (IV Atp. CLP)
 8. Regulation (EU) 944/2013 of the European Parliament (V Atp. CLP)
 9. Regulation (EU) 605/2014 of the European Parliament (VI Atp. CLP)
 10. Regulation (EU) 2015/1221 of the European Parliament (VII Atp. CLP)
 11. Regulation (EU) 2016/918 of the European Parliament (VIII Atp. CLP)
 12. Regulation (EU) 2016/1179 (IX Atp. CLP)
 13. Regulation (EU) 2017/776 (X Atp. CLP)
- The Merck Index. - 10th Edition
 - Handling Chemical Safety
 - INRS - Fiche Toxicologique (toxicological sheet)
 - Patty - Industrial Hygiene and Toxicology
 - N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
 - IFA GESTIS website

- ECHA Agency Website
- Database of chemical substance SDS models - Ministry of Health and National Institute of Health Note to the user:

The information contained in this sheet is based on the knowledge available from us at the date of the latest version. The user must make sure of the suitability and completeness of the information in relation to the specific use of the product.

This document must not be interpreted as a guarantee of any specific property of the product.

Since the use of the product does not fall under our direct control, it is the user's obligation to observe the laws and regulations in force concerning hygiene and safety under his own responsibility. No liability is assumed for improper use.

Provide adequate training to the personnel involved in the use of chemical products.