

Section 1 - IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

1.1 Product identifier

- **Product Name :** OXYBRITE

1.2 Relevant identified uses of the substances or mixture and used advised against

- **Recommended restrictions :** Professional use only.
- **Recommended use :** Disinfection products,bleaching

1.3 Details of supplier of the safety data sheet :

- **Manufacturer Details:** ZOHAR DALIA C.A.A. Ltd.,
Kibbutz Dalia 1923900, Israel
Tel. 972-4-9897234
Fax 972-4-9897200

1.4 Emergency telephone number :

- **Emergency Telephone & Contact:** Tel: +972-4-9897515

Section 2 - HAZARDS IDENTIFICATION

2.1 Classification of substance or mixture according to Regulation (EC) No 1272/2008 (CLP)

Acute Tox. 4 (oral)	H302 Harmful if swallowed.
Acute Tox. 4 (inhalation)	H332 Harmful if inhaled..
Skin Irrit .2	H315 Causes skin irritation..
Eye Dam. 1	H318 Causes serious eye damage.
STOT SE 3	H335 May cause respiratory irritation.

2.2 Labeling according to Regulation (EC) No 1272/2008 (CLP)

- **Hazard Pictograms** :



GHS05
Corrosion



GHS07
Exclamation mark

- SIGNAL WORD: Danger
- Hazard-determining components of labelling:
hydrogen peroxide solution

• Hazard Statements :

H302 Harmful if swallowed.
H332 Harmful if inhaled...
H315 Causes skin irritation..
H318 Causes serious eye damage.
H335 May cause respiratory irritation.

• Precautionary Statements:

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read label before use.
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray
P270 - Do not eat, drink or smoke when using this product.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER/doctor.
P405 Store locked up.
P501 Dispose of contents/container in accordance with local/regional/national/ international regulations.

2.3. Other hazards

Not applicable.

Section 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Constituent	CAS No.	EC No.	Concentration range	Classification according to Regulation (EC) No 1272/2008 (CLP)	Remarks
hydrogen peroxide solution	7722-84-1	231-765-0	34-36%	Ox. Liq. 1, H271 Skin Corr. 1A, H314 Acute Tox. 4, H302 Acute Tox. 4, H332	Skin Corr. 1A; H314: C ≥ 70 % Ox. Liq. 1; H271: C ≥ 70 % -: STOT SE 3; H335; C ≥ 35 % Eye Irrit. 2; H319: 5 % ≤ C < 8 % Skin Corr. 1B; H314: 50 % ≤ C < 70 % Eye Dam. 1; H318: 8 % ≤ C < 50 % Skin Irrit. 2; H315: 35 % ≤ C < 50 % Ox. Liq. 2; H272: 50 % ≤ C < 70 %

Section 4 - FIRST AID MEASURES

4.1 Description of First Aid measures:

- **General measures** : Immediately remove any clothing soiled by the product.
- **Eye contact** : Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **Skin Contact** : Immediately wash with water and soap and rinse thoroughly.
- **Inhalation** : Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.
In case of unconsciousness place patient stably in side position for transportation.
- **Ingestion** : Drink plenty of water and provide fresh air. Call for a doctor immediately.

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

- No further relevant information available.

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

- No further relevant information available.

Section 5 - FIRE-FIGHTING MEASURES

5.1. Extinguishing media:

Suitable extinguishing media :

CO2, sand, extinguishing powder, water jet.

5.2. Special hazards arising from the substance or mixture:

No specific hazard known.

5.3. Advice for fire-fighters

Mouth respiratory protective device.

Section 6 - ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

- **Personal Protective Equipment** : Wear protective equipment.
- **Skin Protection** : See Section 8 for information on personal protection equipment
- **Eye Protection** : See Section 8 for information on personal protection equipment
- **Respiratory Protection** : None
- **Work Practices** : Keep unprotected persons away.

6.2. Environmental precautions:

- Do not allow to enter sewers/ surface or ground water.

6.3. Methods and material for containment and cleaning:

- Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- Use neutralising agent.
- Dispose contaminated material as waste according to item 13.
- Ensure adequate ventilation.

Section 7 - HANDLING AND STORAGE

7.1 Precautions for safe handling

- Ensure good ventilation/exhaustion at the workplace.
- Do not eat, drink or smoke when using this product.
- Avoid contact with skin, eyes or clothing.

7.2 Conditions for safe storage:

- Store in cool, dry conditions .
- Keep container tightly sealed.

7.3 Specific end use(s):

- No further relevant information available.

Section 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

- **Ingredients with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists valid during the making were used as basis.

Hydrogen Peroxide

TLV : TWA: 1 ppm

8.2 Exposure Control:

- **Engineering measures:** None
- **Respiratory Protection:** In case of brief exposure or low pollution use respiratory filter

device. In case of intensive or longer exposure use self-contained respiratory protective device.

- **Hand Protection:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves: The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material: The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye protection:**



Safety glasses.
Tightly sealed goggles.

- **Skin protection:**
- **Protective measures :**

Wear protective clothing.

Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
Avoid contact with skin and eyes .

Section 9 – PHYSICAL & CHEMICAL PROPERTIES:

9.1 Information on basic physical and chemical properties:

- | | |
|--|----------------|
| • Appearance: | liquid |
| • Odour: | Characteristic |
| • Odour threshold: | N.A. |
| • pH : | < 3. |
| • Melting point/Freezing point: | N.A. |
| • Initial boiling point and boiling range: | N.A. |
| • Flash point: | N.A. |
| • Evaporation rate: | N.A. |
| • Flammability(solid/gas): | N.A |
| • Upper/lower flammability or explosive limits: | N.A |
| • Vapour pressure: | N.A. |
| • Vapour density: | N.A. |
| • Relative density: | 1.1-1.2 gr/ml |
| • Solubility(water) : | N.A. |

- Partition coefficient: n-octanol/water: N.A.
- Auto-Ignition temperature: N.A.
- Decomposition temperature: N.A.
- Viscosity: N.A.
- Explosive properties: No
- Oxidizing properties: Oxidizing

Section 10 - STABILITY AND REACTIVITY

- Reactivity : No further relevant information available.
- Chemical stability : No decomposition if used according to specifications.
- Possibility of hazardous reactions : No dangerous reactions known.
- Conditions to avoid : No further relevant information available.
- Hazardous decomposition products : Other decomposition products - No data available
In the event of fire: see section 5
- Incompatible materials : No further relevant information available.

Section 11 - TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:

- **Acute toxicity** Based on available data, the classification criteria are not met.

Hydrogen Peroxide

Oral - LD50 : 1193 mg/kg (rat)
Dermal- LD50>2000 mg/kg(rabbit)

11.2 Irritation/ Corrosion:

- Causes skin irritation and serious eye damage.

11.3 Sensitization

- Based on available data, the classification criteria are not met.

11.4 CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

- Carcinogenicity :
 - Based on available data, the classification criteria are not met.
- Mutagenic effects :
 - Based on available data, the classification criteria are not met.
- Reprotoxic effects :
 - Based on available data, the classification criteria are not met.

are not met.

11.5 Other toxic effects on humans:

- **Inhalation** : No data available
- **Dermal** : No data available
- **Eyes** : No data available
- **Ingestion** : No data available
- **Chronic toxicity** : No data available

11.6 NIOSH Immediately Dangerous To Life or Health Concentration (IDLH):

- No information available

11.7 Specific target organ toxicity:

- **Single exposure** : May cause respiratory irritation.
- **Repeated exposure** : Based on available data, the classification criteria are not met.

Section 12 - ECOLOGICAL INFORMATION

12.1 Ecotoxicity:

Aquatic toxicity:
Fish(96-h) LC50: 16.4 mg/l

12.2 Persistence and degradability:

- No further relevant information available

12.3 Bioaccumulative potential:

- No further relevant information available.

12.4 Mobility in soil:

- No further relevant information available.

12.5 Results of PBT and vPvB assessment:

- PBT: Not applicable.
- vPvB: Not applicable

12.6 Other adverse effects:

- No further relevant information available

Section 13 - DISPOSAL CONSIDERATIONS:

- **Waste treatment methods** : Must not be disposed together with household garbage.
- **Container Disposal** : Disposal must be made according to official regulations.

Section 14 - TRANSPORT INFORMATION:

Land transport (ADR/RID)

- **UN Number** : UN 2014
- **UN proper shipping name** :
HYDROGEN PEROXIDE, AQUEOUS SOLUTION
- **Transport hazard class** : 5.1
- **Subsidiary class** : 8
- **Packing group** : II

Marine transport (IMDG)

- **UN Number** : UN2014
- **UN proper shipping name** :
HYDROGEN PEROXIDE, AQUEOUS SOLUTION
- **Transport hazard class** : 5.1
- **Subsidiary class** : 8
- **Packing group** : II
- **EmS number** : F-H , S-Q
- **Marine pollutant** : Void

Air transport ICAO/IATA

- **UN Number** : UN2014
- **UN proper shipping name** :
HYDROGEN PEROXIDE, AQUEOUS SOLUTION
- **Transport hazard class** : 5.1
- **Subsidiary class** : 8
- **Packing group** : II

Section 15 - REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

- Labeling according to Regulation (EC) No 1272/2008
The product is classified and labeled according to the CLP regulation.
- **Hazard pictograms** GHS05, , GHS07
- **Signal word** Danger
- **Hazard-determining components of labelling:**
hydrogen peroxide solution
- **Hazard statements:**

H302 Harmful if swallowed.
H332 Harmful if inhaled...
H315 Causes skin irritation..
H318 Causes serious eye damage.
H335 May cause respiratory irritation.

- **Precautionary statements:**

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
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P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER/doctor.
P405 Store locked up.
P501 Dispose of contents/container in accordance with local/regional/national/ international regulations.

- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

Section 16 – OTHER INFORMATION

This information is based on our present knowledge. However, this shall not constitute a guarantee for any Specific product features and shall not establish a legally valid contractual relationship.

All information contained in the present sheet is based on the manufacturer data. The use of this product is subject to our direct control: therefore, users must under their own responsibility comply with the current health and safety laws and regulation.

- **Relevant phrases**

H271 May cause fire or explosion; strong oxidiser.
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation..
H318 Causes serious eye damage.
H332 Harmful if inhaled
H335 May cause respiratory irritation.

- **Department issuing MSDS:** Product safety department.
- **Contact:**

Kibbutz Dalia 1923900
Israel Phone :972-4-9897234
Fax : 972-4-9897200
www.zohar-dalia.com

- **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 3: Flammable liquids – Category 3

Ox. Liq. 1: Oxidizing liquids – Category 1

Acute Tox. 4: Acute toxicity – Category 4

Skin Corr. 1A: Skin corrosion/irritation – Category 1A

Skin Irrit .2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

Data compared to the previous version altered.