

Section 1 - IDENTIFICATION OF THE SUBSTANCE /MIXTURE AND OF THE COMPANY

1.1 Product identifier :

- **Product Name :** מסיר שומנים-TING

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

- **Recommended use :** Degreaser
- **Recommended restrictions :** For professional use only

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)

Human health hazard categories and codes: Skin corr. category 1A
Eye Dam. category 1

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

SIGNAL WORD: Danger

- **Hazard Pictogram :**



GHS05
Corrosion

Hazard determining components of labeling:

- **Hazard Statements :** Sodium hydroxide
H314 Causes severe skin burns and eye damage.

- **Precautionary Statements :**

P102 Keep out of reach of children.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
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 or physician.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3. Other hazards

Not known

Section 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

Constituent	CAS No.	EC No.	Concentration range	Classification according to Regulation (EC) No 1272/2008 (CLP)	Remarks
Sodium Hydroxide	1310-73-2	215-185-5	10-20 %	Met. Corr. 1; H290 Skin Corr. 1A; H314 Eye Dam. 1; H318	Skin Corr. 1A; H314: C ≥ 5 %

Section 4 - FIRST AID MEASURES

4.1 Description of First Aid measures:

- General measures :** Take off all contaminated clothing immediately. In the case of accident or if you feel unwell, seek medical advice immediately.
- Eye contact :** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. In case of eye irritation consult an ophthalmologist.
- Skin Contact :** Take off all contaminated clothing immediately. Wash off immediately with plenty of water for at least 15 minutes. Consult a physician in case of complaints.
- Inhalation :** Remove from exposure, lie down. Consult a physician if you feel unwell.
- Ingestion :** If swallowed, rinse mouth with water (only if the person is conscious). Consult a physician.

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

- In all cases of doubt, or when symptoms persist, seek medical advice.

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

- Advice to physician: Symptomatic treatment is advised. Eye rinsing device shall be made available at any point of handling of the product.

Section 5 - FIRE-FIGHTING MEASURES

5.1. Extinguishing media:

Suitable extinguishing media: Water spray, Chemical powder, Foam, Carbon dioxide (CO₂) & sand.

Unsuitable extinguishing media: High pressure water jet

5.2. Special hazards arising from the substance or mixture:

Gives off irritating or toxic fumes in a fire.
Avoid inhaling the fumes.

5.3. Advice for fire-fighters

- Use firefighting water moderately and contain it.
- Use water spray to cool tanks/containers exposed to heat / remove them into safety.
- In the event of fire, wear self-contained breathing apparatus.
- Use personal protective equipment.

Section 6 - ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

- **Personal Protective Equipment :** Isolate area. Keep unnecessary personnel away. Stay upwind. Keep out of low areas. Ventilate closed spaces before entering.
- **Eye Protection :** Face shield and safety glasses. (as mentioned in section 8.2)
- **Skin Protection :** Avoid contact with skin by use of protective equipment (as mentioned in section 8.2)
- **Respiratory Protection :** Wear personal protective equipment. (as mentioned in section 8.2)
- **Work Practices :** Wear eye/face protection.

6.2. Environmental precautions:

- Do not flush into surface water or sanitary sewer system.

6.3. Methods and material for containment and cleaning:

- Collect as much as possible by any mechanical mean in a clean container for (preferably) reuse or disposal in accordance with local regulations.
- Absorb and contain spill with inert material (sand, earth etc.) and transfer to containers for disposal in accordance with local regulations.

Section 7 - HANDLING AND STORAGE

7.1 Precautions for safe handling

- Observe strict hygiene - avoid eye and skin contact.
- Avoid splashing of material.
- Remove contaminated clothing immediately.

7.2 Conditions for safe storage:

- Store in original container.
- Store in a cool, dry, well-ventilated place.
- Store in properly labelled containers.
- Keep container tightly closed.

7.3 Specific end use(s):

- As prescribed in section 1.2

Section 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Not Applicable.

8.2 Exposure Control:

- **Engineering measures:** None
- **Respiratory Protection:** No special measures. In case of insufficient ventilation, wear suitable respiratory equipment.
- **Hand Protection:** Use impervious gloves.

- **Eye Protection:** Wear chemical goggles with face-shield.
- **Skin Protection:** Wear suitable protective clothing. Use impervious gloves. Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing
- **Protective measures :** Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.

Section 9 – PHYSICAL & CHEMICAL PROPERTIES:

9.1 Information on basic physical and chemical properties:

- **Appearance :** Clear liquid
- **Odour :** Characteristic
- **Odour threshold :** N.A.
- **pH(2%):** 12.5-13.5
- **Melting point/Freezing point :** N.A.
- **Initial boiling point and boiling range :** N.A.
- **Flash point :** > 100°C
- **Evaporation rate :** N.A.
- **Flammability :** N.A.
- **Upper/lower flammability or explosive limits :** N.A.
- **Vapour pressure :** N.A.
- **Vapour density :** N.A.
- **Density :** 1.18 (g/ml 20°C)
- **Solubility(ies) :** Fully miscible in water
- **Partition coefficient: n-octanol/water :** N.A.
- **Auto-Ignition Temperature :** N.A.
- **Decomposition temperature :** N.A.
- **Viscosity :** N.A.
- **Explosive properties :** No
- **Oxidizing properties :** No

9.2 Other information : None

Section 10 - STABILITY AND REACTIVITY

- Reactivity :** Stable under recommended storage and handling conditions.
- Chemical stability :** Stable under recommended storage and handling conditions.
- Possibility of hazardous reactions :** None if stored and handled properly.
- Conditions to avoid :** Avoid extreme heat and sources of ignition. Avoid contact with acids. May be corrosive to some metals.
- Hazardous decomposition products :** No decomposition if used according to specifications.
- Incompatible materials :** Acids.

Section 11 - TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:

- No data available.

11.2 Irritation Corrosion:

- **Eye:** The product may cause serious eye damage.
- **Skin:** The product may cause severe skin burns.

11.3 Sensitization

- The product is not sensitizing to skin.

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

- **Carcinogenicity :** Not classified as carcinogen.
- **Mutagenic effects :** Not classified as a mutagen.
- **Reprotoxic effects :** Not found to be reprotoxic.

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 :** No experimental or epidemiological sufficient evidence for specific target organ toxicity
- **Repeated exposure :** No experimental or epidemiological sufficient evidence for specific target organ toxicity

Section 12 - ECOLOGICAL INFORMATION

12.1 Ecotoxicity:

- Data not available.

12.2 Persistence and degradability:

- Data not available..

12.3 Bioaccumulative potential:

- Product is not B/vB

12.4 Mobility in soil:

- Data not available

12.5 Results of PBT and vPvB assessment:

- Not PBT and vPvB

12.6 Other adverse effects:

- None

Section 13 - DISPOSAL CONSIDERATIONS:

All wastes must be handled in accordance with local, state and federal regulations. Regulations vary.

- **Disposal of product :** Dispose in accordance with all applicable regulations.
- **Disposal of packaging:** Disposal must be made according to official regulations.

Section 14 - TRANSPORT INFORMATION:

Land transport (ADR/RID):

- **UN Number:** UN1824
- **UN proper shipping name:** SODIUM HYDROXIDE SOLUTION
- **Transport hazard class:** 8
- **Packing group:** II
- **Labels:** 8
- **Environmental hazards:** Prevent disposal into the drains

Marine transport (IMDG):

- **UN Number:** UN1824
- **UN proper shipping name:** SODIUM HYDROXIDE SOLUTION
- **Transport hazard class:** 8
- **Packing group:** II
- **Labels:** 8
- **EmS number:** F-A,S-B
- **Marine pollutant:** No

Air transport ICAO/IATA

- **UN Number:** UN1824
- **UN proper shipping name:** SODIUM HYDROXIDE SOLUTION
- **Transport hazard class:** 8
- **Packing group:** II
- **Labels:** 8

Section 15 - REGULATORY INFORMATION

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

Labelling according to Regulation (EC) No 1272/2008

EU Regulations:

- Regulation (EC) No. 1907/2006 - REACH
- Regulation (EC) No 1272/2008 - CLP
- Regulation (EC) No. 648/2004 - Detergents regulation

Ingredients according to EC Detergents Regulation 648/2004

The surfactants contained in this preparation comply with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents.

15.2 Chemical Safety Assessment:

- A chemical safety assessment has not been carried out.

Section 16 – OTHER INFORMATION

Classification procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008[CLP]:

The classification of the mixture is based on calculation methods using substance data.

- **Relevant phrases:**
H290 May be corrosive to metals
H314 Causes severe skin burns and eye damage.
H318 Causes serious eye damage.
- **Abbreviations and acronyms:**
ADR: The 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 Harmonized 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)
VOC: Volatile Organic Compounds (USA, EU)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative

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