# Safety Data Sheet
# PL 25

## Section 1 - IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

### 1.1 Product identifier

- **Product Name :** פי.אל.25

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

- **Recommended use :** All purpose cleaner
- **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)

Skin Corr. 1B H314 Causes severe skin burns and eye damage.
Eye Dam. 1 H318 Causes serious eye damage.

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

- SIGNAL WORD: Danger
- Hazard Pictograms :

- GHS05 corrosion

- **Hazard determining components of labeling:** Monoethanolamine
- **Hazard Statements:** 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 [or 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.



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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

| Constituent | CAS No. | EC No. | Concentration range | Classification according to Regulation (EC) No 1272/2008 (CLP) | Remarks |
|---|---|---|---|---|---|
| Monoethanolamine | 141-43-5 | 205-483-3 | 5-10% | Skin Corr. 1B; H314<br>Eye Dam. 1; H318<br>Acute Tox. 4; H302<br>Acute Tox. 4; H312<br>Acute Tox. 4; H332<br>STOT SE 3; H335<br>Aquatic Chronic 3; H412 | None |
| 2-butoxyethanol | 111-76-2 | 203-905-0 | 1-5% | Acute Tox. 4; H302<br>Acute Tox. 4; H312<br>Acute Tox. 4; H332<br>Skin Irrit. 2; H315<br>Eye Irrit. 2; H319 | None |
| 1-methoxy-2-propanol | 107-98-2 | 203-539-1 | 1-5% | Flam. Liq. 3; H226<br>STOT SE 3; H336 | None |
| Hexylene glycol | 107-41-5 | 203-489-0 | 1-5% | Skin Irrit. 2; H315<br>Eye Irrit. 2; H319 | None |
| Benzenesulfonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine | 85480-55-3 | 287-335-8 | 1-5% | Acute Tox. 4; H302<br>Eye Dam. 1; H318<br>Skin Irrit. 2; H315<br>Aquatic Chronic 3; H412 | None |
| Trisodium phosphate | 7601-54-9 | 231-509-8 | 1-5% | Skin Irrit. 2; H315<br>Eye Irrit. 2; H319<br>STOT SE 3; H335 | None |
| Alcohol ethoxylate 1 | - | polymer | 1-5% | Skin Irrit. 2; H315<br>Eye Irrit. 2; H319<br>Acute Tox. 4; H302<br>Aquatic Chronic 3; H412 | None |

## 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. Then consult a doctor.
- **Skin Contact** : Immediately wash with water and soap and rinse thoroughly.
- **Inhalation** : Remove from exposure. Consult a doctor if you feel unwell.
- **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



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### 5.1. Extinguishing media:

**Suitable extinguishing media** : Use water spray, Dry powder, foam.

**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

- Wear self-contained breathing apparatus for firefighting if necessary.
- Use water spray to cool unopened containers.

## Section 6 - ACCIDENTAL RELEASE MEASURES

### 6.1. Personal precautions, protective equipment and emergency procedures

- **Personal Protective Equipment :** Wear protective equipment.
- **Skin Protection :** For personal protection see section 8.
- **Eye Protection :** For personal protection see section 8.
- **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, universal binders, sawdust).
- Use neutralizing 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.
- Prevent formation of aerosols.

### 7.2 Conditions for safe storage:

- Keep container tightly sealed.
- Keep away from heat sources. Keep in a dry and well-ventilated place.

### 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:**
- 111-76-2 2-butoxyethanol



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TLV**:** Long-term value: 20 ppm

- 107-98-2 1-methoxy-2-propanol
  TLV: Long-term value: 100 ppm

### 8.2 Exposure Control:

- **Engineering measures:** None
- **Respiratory Protection:** Not required.
- **Hand Protection:** Protective gloves-The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

**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.
Recommendation of Nitrile rubber. This recommendation is advisory only.
**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:** Tightly sealed goggles.

- **Skin protection:** Corrosion -proof clothing
- **Protective measures :** 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 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 (10%):** 10.5-11.5
- **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
- **Ignition temperature:** N.A
- **Upper/lower flammability or explosive limits:** N.A
- **Vapour pressure:** N.A
- **Vapour density:** N.A.
- **Density (20°c)** : 1.02 g/ml



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- **Solubility(water) :** N.A.
- **Partition coefficient: n-octanol/water:** N.A.
- **Decomposition temperature:** N.A.
- **Viscosity:** N.A
- **Explosive properties:** No
- **Oxidizing properties:** No

## Section 10 - STABILITY AND REACTIVITY

- Reactivity : Stable under recommended storage conditions.
- Chemical stability : No decomposition if used according to specifications.
- Possibility of hazardous reactions : No dangerous reactions known.
- Conditions to avoid : Heat, flames and sparks.
- Hazardous decomposition products : No hazardous decomposition products if stored and handled as prescribed.
- Incompatible materials : Oxidizing agents , strong acids .

## Section 11 - TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects:

- **Acute toxicity** Based on available data, the classification criteria are not met.
- **LD/LC50 values relevant for classification:**
- 141-43-5 Monoethanolamine

  Oral LD50 =500 mg/kg (ATE)
  Dermal LD50 = 1.100 mg/kg (ATE)
  Inhalative LC50/4 h = 11 mg/l (ATE)

### 11.2 Irritation Corrosion:

- Eye: Causes serious eye damage.
- Skin : Causes severe skin burns.

### 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.

### 11.5 Other toxic effects on humans:

- **Inhalation :** No data available
- **Dermal :** No data available



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- **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** : Based on available data, the classification criteria are not met.
- **Repeated exposure** : Based on available data, the classification criteria are not met.

## Section 12 - ECOLOGICAL INFORMATION

### 12.1 Ecotoxicity:

- 141-43-5 Monoethanolamine
- LC50(Cyprinus carpio), 96 Hr. 349 mg/l.

### 12.2 Persistence and degradability:

- The product is readily biodegradable.
- The nonionic ingredient complies with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.

### 12.3 Bioaccumulative potential:

- No data available

### 12.4 Mobility in soil:

- No data available

### 12.5 Results of PBT and vPvB assessment:

- Not PBT and PVB

### 12.6 Other adverse effects:

- None

## Section 13 - DISPOSAL CONSIDERATIONS:

- **Waste treatment methods** : Must not be disposed together with household garbage. Do not allow product to reach sewage system. Disposal must be made according to official regulations.
- **Container Disposal** : Disposal must be made according to official regulations.

## Section 14 - TRANSPORT INFORMATION:

Classified as dangerous in the meaning of transport regulations due to its composition.

### Land transport (ADR/RID)

- **UN Number** : UN3267



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- **UN proper shipping name** : CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (Ethanolamine)
- **Transport hazard class** : 8
- **Packing group** : III

### Marine transport (IMDG)

- **UN Number** : UN3267
- **UN proper shipping name** : CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (Ethanolamine)
- **Transport hazard class** : 8
- **Packing group** : III
- **EmS number** : F-A, S-B
- **Marine pollutant** : No

### Air transport ICAO/IATA

- **UN Number** : UN3267
- **UN proper shipping name** : CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (Ethanolamine)
- **Transport hazard class** : 8
- **Packing group** : III

### Additional Transport Information :

- Not applicable.

## Section 15 - REGULATORY INFORMATION

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

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**
Anionic surfactants <5%
Non-ionic surfactants <5%
Phosphates <5%
Soap

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**

  H226 Flammable liquid and vapour.
  H302 Harmful if swallowed.
  H312 Harmful in contact with skin.
  H314 Causes severe skin burns and eye damage.
  H315 Causes skin irritation.



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H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H412 Harmful to aquatic life with long lasting effects.

- **Abbreviations and acronyms:**

ADR: 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 Labeling 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
vPvB: very Persistent and very Bioaccumulative

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