

Section 1 - IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

1.1 Product identifier

- Product Name : ZA-OP

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

- Recommended use : It is used as cleaning product
- Recommended restrictions : For industrial 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:	Eye irritation	category 2
	Skin irritation	category 2
Environmental hazard categories and codes:	Aquatic Chronic	category 3

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

- Hazard Pictogram : SIGNAL WORD: Danger



GHS07

Exclamation mark

- Hazard Statements : H319: Causes serious eye irritation.
H315: Causes skin irritation.
H412: Harmful to aquatic life with long lasting effects.
- Precautionary Statements: P280: Wear protective gloves/protective clothing/eye protection/face protection.
P362: Take off contaminated clothing.
P332+P313: If skin irritation occurs: Get medical advice/attention.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P273: Avoid release to the environment.
P501: Dispose of contents/container to an approval waste disposal plant

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
sulphamidic acid	5329-14-6	226-218-8	$\geq 15.0\% < 30.0\%$	Eye Irrit. 2; H319 Skin Irrit. 2 ;H315 Aquatic Chronic 3 ; H412	None
urea	57-13-6	200-315-5	$\geq 15.0\% < 30.0\%$	Not Classified	None
Isotridecanol, ethoxylated > 5 EO	69011-36-5	500-241-6	$\geq 3.0\% < 5.0\%$	Eye Dam. 1; H318 Skin Irrit. 2 ;H315 Aquatic Chronic 3 ; H412	None
water	7732-18-5	231-791-2	Upto 100%	Not Classified	None

Section 4 - FIRST AID MEASURES

4.1 Description of First Aid measures: Inhalation:

- General measures : Consult a physician. Show this safety data sheet to the doctor in attendance.
- Eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
- Skin Contact : Take off the contaminated clothing and shoes then flushing immediately with plenty of water for at least 15 Min and seek medical attention
- Inhalation : Move exposed person to fresh air immediately, If causing weak breath, CPR is necessary & Oxygen supplied and seek medical attention.
- Ingestion : Immediately seek medical attention. If exposed person lost consciousness, not allowed feeding or vomiting, but turning head to the side.

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

Not defined.

Section 5 - FIRE-FIGHTING MEASURES

5.1. Extinguishing media:

Suitable extinguishing media : Water spray, chemical foam, dry chemical, or carbon dioxide (CO₂)

Unsuitable extinguishing media: None known

5.2. Special hazards arising from the substance or mixture: May release sulfur dioxide, sulfur trioxide, and ammonia if involved in a fire.

5.3. Advice for fire-fighters

- Move the containers from the fire when safe
- Extinguish the fire source around
- Keep containers cool with water spray
- Wear professional coverall protection clothing and breathing equipment

Section 6 - ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

- Personal Protective Equipment : Wear personal protective equipment.
- Skin Protection : Avoid contact with skin by use of protective equipment. (as mention in section 8.2)
- Eye Protection : Face shield and safety glasses . Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
- Respiratory Protection : Wear personal protective equipment. (as mention in section 8.2)
- Work Practices : Provide sufficient ventilation
Remove ignition sources
Sweep up spillage and flush area with large quantities of water to waste water treatment system. May be neutralized with lime or soda ash.

6.2. Environmental precautions:

- Should not be released into the environment.
- Do not flush into surface water or sanitary sewer system.
- If the product contaminates rivers and lakes or drains inform respective authorities.
- Contain leaking substance, pump over in suitable containers
- Notify environmental personnel

6.3. Methods and material for containment and cleaning:

- Sweep up and shovel into suitable containers for disposal.
- Keep in properly labelled containers.
- Keep in suitable, closed containers for disposal.
- Take up liquid spill with inert absorbent material sand, sawdust.
- Flush contaminated areas with large amounts of water and direct rinsings to chemical sewer or collect for treatment.

Section 7 - HANDLING AND STORAGE

7.1 Precautions for safe handling

- Eating, smoking, and drinking in work areas is prohibited
- Wash hands after use
- Remove contaminated clothing and equipment before eating areas
- Water is available around work areas for washing
- Keep air fresh in work areas

7.2 Conditions for safe storage:

- Store in anti-corrosive containers
- Store in dry and cool places
- Store under the required temperature
- Do not store in the places without emergency water areas
- Lights and ventilation system are required anti-corrosion in storage areas
- Do not store or mix with cyanides, sulfides, chlorine, hypochlorous acid or hypochlorites.
- Keep in tightly closed and dry container.

7.3 Specific end use(s):

- As prescribe in section 1.2

Section 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Not Applicable.

8.2 Exposure Control:

- | | |
|---------------------------|---|
| • Engineering measures: | Ensure adequate ventilation.
Apply technical measures to comply with the occupational exposure limits. |
| • Respiratory Protection: | Respiration with dust filter if exposure limits may be exceeded. |
| • Hand Protection: | Rubber gloves. |
| • Eye protection: | Chemical splash goggle |
| • Skin protection: | Chemical resistant apron
Apron/boots of PVC, neoprene in case of dusts. |
| • Protective measures : | Eye wash bottles or eye wash stations in compliance with applicable standards.
Take off contaminated clothing and shoes immediately.
Handle in accordance with good industrial hygiene and safety practice.
Dispose of rinse water in accordance with local and national regulations |

Section 9 – PHYSICAL & CHEMICAL PROPERTIES:

9.1 Information on basic physical and chemical properties:

- | | |
|---|---------------------------------------|
| • Appearance: | Yellowish Liquid |
| • Odour: | Faint |
| • Odour threshold: | N.A. |
| • pH (1% in water): | 1.5 – 2.5 |
| • Melting point/Freezing point: | N.A. |
| • Initial boiling point and boiling range: | >100° C |
| • Flash point: | N.A. |
| • Evaporation rate: | Slower than Diethyl Ether (estimated) |
| • Flammability(solid/gas): | N.A. |
| • Upper/lower flammability or explosive limits: | N.A. |

- | | |
|---|------------------------------------|
| • Vapour pressure: | N.A. |
| • Vapour density: | N.A. |
| • Relative density: | 1.20-1.26 g/cm ³ @ 20°C |
| • Solubility(ies) : | Miscible (in all proportions) |
| • Partition coefficient: n-octanol/water: | N.A. |
| • Auto-Ignition temperature: | N.A. |
| • Decomposition temperature: | N.A. |
| • Viscosity: | - |
| • Explosive properties: | No |
| • Oxidizing properties: | No |

9.2 Other information: Not available

Section 10 - STABILITY AND REACTIVITY

- | | |
|--|---|
| • Reactivity : | No danger reactivity exist. |
| • Chemical stability : | Stable under recommended storage and handling conditions. |
| • Possibility of hazardous reactions : | Data not available |
| • Conditions to avoid : | Data not available |
| • Hazardous decomposition products : | These products are: nitrogen oxides (NO, NO ₂etc.), phosphates. |
| • Incompatible materials : | Highly reactive with alkalis |

Section 11 - TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:

- No data available

11.2 Irritation Corrosion:

- Eye: The product causes eye irritation
- Skin : The product causes skin irritation

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:

- No data available

12.2 Persistence and degradability:

- No data available

12.3 Bioaccumulative potential:

- No data available

12.4 Mobility in soil:

- Data not available

12.5 Results of PBT and vPvB assessment:

- No data available

12.6 Other adverse effects:

- None

Section 13 - DISPOSAL CONSIDERATIONS:

- Disposal of products: Recycle, if possible.
Consult your local or regional authorities.
With large quantities of water to waste water treatment system.
May be neutralized with lime or soda ash.
Comply with federal, state, and local regulations when disposing of the substance.
- Disposal of packaging : Clean container with water.
Disposed accordance with local and national regulations

Section 14 - TRANSPORT INFORMATION:

The product does not classified hazardous to transport as per Land transport (ADR/RID), Marine transport (IMDG), Air

transport ICAO/IATA, and Department of Transportation (DOT).

- | | |
|--------------------------------|--|
| • UN Number | Not applicable |
| • UN proper shipping name | Not regulated |
| • Transport hazard class | Not applicable. Not classified as dangerous for transport. |
| • Packing group | Not regulated |
| • Environmental hazards | Prevent disposal into the drains |
| • Special precautions for user | Not required |

Section 15 - REGULATORY INFORMATION

15.1 Other regulatory information:

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

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

Control of Substances Hazardous to Health Regulations (COSHH) 2002 SI 2002/2677 and COSHH Essentials: Easy steps to control chemicals - Control of Substances Hazardous to Health Regulations HSG193.

Inventory Status:

Listed in: US(TSCA), Europe (EINECS), New Zealand (NZIoC), Philippines (PICCS), Canada(DSL), China (IECSC), Australia (AICS), Japan (ENCS).

- HMIS (Hazardous Materials Identification system) classification:

Health	1
Fire	1
Physical Hazard	0
Personal Protection	C

1 = Irritation or minor reversible injury possible.

1 = Materials that must be preheated before ignition will occur. Includes liquids, solids and semi solids having a flash point above 200 °F (93 °C)

0= Materials that are normally stable, even under fire conditions, and will not react with water, polymerize, decompose, condense, or self-react. Non-explosives.

C =  Safety Glasses +  Gloves +  Protective Apron

- NFPA :(National Fire Protection Association)

Health	1
Fire	1
Reactivity	0

1 = Exposure would cause irritation with only minor residual injury

1 = Materials that require considerable preheating, under all ambient temperature conditions, before ignition and combustion can occur

0=Normally stable, even under fire exposure conditions, and are not reactive with water.

15.2 Chemical Safety Assessment:

- A chemical safety assessment has been carried out for the substance or the mixture by the supplier (LR)- No

Section 16 – OTHER INFORMATION

16.1 Technical Advice:

- Use data given in this Safety Data Sheet and make an inventory list of all chemicals used in the factory
- Create a Register for Workplace Chemicals;
- Set priorities concerning the safety in the organization
- Create emergency plans for the assessed hazards;
- Organize occupational health care and regular surveys as necessary;
- Organize contacts with authorities/laboratories to create a monitoring system for chemical hazards, and to reliably measure and/or estimate occupational exposures to chemicals when needed;
- Start collecting case studies of accidents and sickness records in the enterprise to create a basis for priority measures in the control of hazards;
- Involve workers in safety organizations, such as the system of Safety Representatives and Committees.
- Do regular inspection using checklists made for the particular chemicals and chemical processes in use;
- Mark and label all chemicals;
- Keep at hand an inventory list of all chemicals handled in the place of work together with a collection of Chemical Safety Data Sheets for these chemicals;
- Train workers to read and understand the Chemical Safety Information, including the health hazards and routes of exposure; train them to handle dangerous chemicals and processes with respect;
- Plan, develop and choose the safe working procedures;
- Reduce the number of people coming into contact with dangerous chemicals;
- Reduce the length of time and/or frequency of exposure of workers to dangerous chemicals;
- Train workers to know and understand the emergency procedures;
- Equip and train workers to use personal protective equipment properly after everything possible has been done to eliminate hazards by means of other methods;

16.2 List of relevant R phrases:

R36/38 - Irritating to eyes and skin

R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

DISCLAIMER

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This information must on no account be used as a substitute for necessary prior tests which alone can ensure that a product is suitable for a given use.

Users are responsible for ensuring compliance with local legislation and for obtaining the necessary certifications and authorizations.

Users are requested to check that they are in possession of the latest version of the present document and ZOHAR DALIA is at their disposal to supply any additional information.