

Safety Data Sheet

ZOHARPON ETA 60

Section 1 - IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

1.1 Product identifier

- **Product Name :** ZOHARPON ETA 60
- **Other Means of Identification :**
- **Chemical family :** ALKYL ETHER SULPHATES

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

- **Recommended use :** Foaming agent, surfactant, and cleansing agent.
- **Recommended restrictions :** For industrial use only

1.3 Details of supplier of the safety data sheet :

- **Distributor**
Silver Fern Chemical, Inc.
2226 Queen Anne Avenue North, Suite B
Seattle WA 98109, USA
- **Business Contact**
Customer Service: 1-866-282-3384
info@silverfernchemical.com

1.4 Emergency telephone number :

24 Hour Emergency Contact
Infotrac 1-800-535-5053 (USA & Canada)
Outside USA & Canada 1-352-323-3500

Section 2 - HAZARDS IDENTIFICATION

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

Physical and Chemical hazard categories and codes:	Flammable liquids	Category 2
Human health hazard categories and codes:	Eye damage	Category 1
	Skin Irritation	Category 2
Environmental hazards categories and codes :	Aquatic Acute	Category 1
	Aquatic Chronic	Category 3

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

- **Hazard Pictogram :** **SIGNAL WORD: Danger**



GHS02
Flame



GHS05
Corrosion



GHS09
Environment

- **Hazard Statements :**

H225: Highly flammable liquid and vapour.
H318: Causes serious eye damage.
H315: Causes skin irritation.
H400: Very toxic to aquatic life.
H412: Harmful to aquatic life with long lasting effects.
- **Supplementary Hazard Statement :** EUH210: Safety data sheet available on request.

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• **Precautionary Statements:**

P280: Wear protective gloves/protective clothing/eye protection/face protection.
 P241: Use explosion-proof electrical/ventilating/lighting equipment.
 P370+P378: In case of fire: Use suitable extinguish media to extinguish.
 P302+P352: IF ON SKIN: Wash with plenty of water.
 P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 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	Remarks
Alcohols, C12-14, ethoxylated, sulfates, sodium salts	68891-38-3	500-234-8	>= 58.0 % < 60.0 %	None
ethanol	64-17-5	200-578-6	>=13.0 % < 19.0 %	None
Alcohols, C12-14, ethoxylated	68439-50-9	500-213-3	>=1.50% < 3.0 %	None
water	7732-18-5	231-791-2	>=20.0% < 25.0 %	None

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. Flush eyes with water at least 15 minutes. Get medical attention if eye irritation develops or persists.
- **Skin Contact :** Wash off immediately with plenty of water for at least 15 minutes. Take off all contaminated clothing immediately. Consult a physician.
- **Inhalation :** Remove from exposure, lie down. If breathing is irregular or stopped, administer artificial respiration.
- **Ingestion :** Rinse the mouth. Drink 1-2 glasses of water.

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, Dry powder, Foam, Carbon dioxide (CO₂)

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.

5.3. Advice for fire-fighters

- Use fire fighting 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 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
- **Skin Protection** : Avoid contact with eyes by use of protective equipment. (as mention in section 8.2)
- **Respiratory Protection** : Wear personal protective equipment. (as mention in section 8.2)
- **Work Practices** : Wear eye/face protection.

6.2. Environmental precautions:

- Should not be released into the environment.
- Avoid direct discharge of concentrated product to sewage or aquatic environment.
- Do not flush into surface water or sanitary sewer system.
- If the product contaminates rivers and lakes or drains inform respective authorities.

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.
- Pick up with suitable absorbent material (e.g. sand, sawdust, general-purpose binder, kieselguhr). Dispose of absorbed material in accordance with regulations.
- For large amounts: Pump off product.

Section 7 - HANDLING AND STORAGE

7.1 Precautions for safe handling

- Observe strict hygiene - avoid eye and skin contact.
- Avoid splashing of material.
- Safety showers should be readily available in handling and storage areas.
- Eye wash fountains should be located in the work areas and should be immediately accessible for emergency use.
- Remove contaminated clothing immediately.
- Use only equipment and materials which are compatible with the product.
- To avoid thermal decomposition, do not overheat.
- Ensure good ventilation/suction at the workplace.
- Avoid open flames.

7.2 Conditions for safe storage:

- Store in original container.
- Keep in a well-ventilated place.
- Keep in a dry place.
- Keep in properly labelled containers.
- Keep container tightly sealed and store in a frost free place. < + 30 °C
- Avoid dust formation.
- Keep away from incompatible products.

7.3 Specific end use(s):

- As prescribe in section 1.2

Section 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Exposure limits: U.S. – OSHA

Component	Type	Value
Ethanol	PEL 1	900 mg/m ³
		1000 ppm
	TWA	1900 mg/m ³
		1000 ppm

8.2 Exposure Control:

- **Engineering measures:** Ensure adequate ventilation, especially in confined areas.
- **Respiratory Protection:** In case of insufficient ventilation, wear suitable respiratory equipment.
- **Hand Protection:** Suitable protective gloves,
- **Eye protection:** Wear chemical goggles with face-shield.
- **Skin protection:** Wear suitable protective clothing. Use impervious gloves.
- **Protective measures :** Wear suitable gloves and eye/face protection. Avoid contact with the skin and the eyes. General industrial hygiene practice.

Section 9 – PHYSICAL & CHEMICAL PROPERTIES:

9.1 Information on basic physical and chemical properties:

- **Appearance:** Clear liquid
- **Odour:** Characteristic
- **Odour threshold:** N.A.
- **pH (1% in water):** 6.0 – 9.0
- **Melting point/Freezing point:** < 0°C
- **Initial boiling point and boiling range:** 88°C
- **Flash point:** 26 °C
- **Evaporation rate:** N.A.
- **Flammability(solid/gas):** N.A.
- **Upper/lower flammability or explosive limits:** Ethanol
- **Vapour pressure:** N.A.
- **Vapour density:** N.A.
- **Relative density:** 1.034 g/cm³ at 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:** Yes due to presence of ethanol
- **Oxidizing properties:** No

9.2 Other information:

- **RVOC :** 13.0 – 19.0 % (Ethanol)

Section 10 - STABILITY AND REACTIVITY

- **Reactivity :** Low reactivity. However avoid contact with strong oxidizing agents.
- **Chemical stability :** Stable under recommended storage and handling conditions.
- **Possibility of hazardous reactions :** None if stored and handled properly.
- **Conditions to avoid :** None
- **Hazardous decomposition products :** Carbon dioxide, carbon monoxide, sulfur dioxide.
- **Incompatible materials :** strong acids and strong oxidizing agents

Section 11 - TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:

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- | | | |
|-----------------------|-----------------------|----------------------|
| • Toxicity | Acute dermal toxicity | Acute oral toxicity |
| • Species | Rabbit | Rat |
| • Effect level | LD 50 - > 2000mg/kg | LD 50 - > 2000 mg/kg |

11.2 Irritation Corrosion:

- **Eye:** The product may cause eye damage
- **Skin :** The product may cause skin irritation

11.3 Sensitization

- The product 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 : | May cause eye irritation. |
| • Ingestion : | No data available |
| • Chronic toxicity : | No data available |

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

- No information available for the mixture

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 for product

12.2 Persistence and degradability:

- The products is not PBT / vPvB. Product is readily biodegradable.

12.3 Bioaccumulative potential:

- Product was not B/vB

12.4 Mobility in soil:

- Data not available

12.5 Results of PBT and vPvB assessment:

- Not PBT and PVB

12.6 Other adverse effects:

- None

Section 13 - DISPOSAL CONSIDERATIONS:

Dispose in accordance with all applicable regulations.

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

Waste incineration with the approval of the responsible local authority.

- **Disposal of product :** Dilute with water
Recover waste water for processing later.
- **Disposal of packaging :** Clean container with water. Recover waste water for processing later.

Section 14 - TRANSPORT INFORMATION:

The product classified hazardous to transport as per Land transport (ADR/RID), Marine transport (IMDG), Air transport ICAO/IATA, and Department of Transportation (DOT).

- **UN Number** : 1993
- **UN proper shipping name** : flammable liquid n.o.s, mixture contains Ethanol
- **Transport hazard class** : 3
- **Packing group** : I
- **Environmental hazards** : Prevent disposal into the drains

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:

Substances within product listed in: US(TSCA), Europe (EINECS), New Zealand (NZIoC), Philippines (PICCS), Canada(DSL), China (IECSC),Australia (AICS).

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- HMIS (Hazardous Materials Identification system) classification:

Health	2
Fire	3
Physical Hazard	0
Personal Protection	F

2 = Temporary or minor injury may occur.

3 = Materials capable of ignition under almost all normal temperature conditions. Includes flammable liquids with flash points below 73 °F and boiling points above 100 °F, as well as liquids with flash points between 73 °F and 100 °F.

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



- NFPA :(National Fire Protection Association)

Health	2
Fire	3
Reactivity	0

2 = Intense or continued but not chronic exposure could cause temporary incapacitation or possible residual injury

3 = Liquids and solids (including finely divided suspended solids) that can be ignited under almost all ambient temperature conditions (e.g. gasoline, acetone). Liquids having a flash point below 23 °C (73 °F) and having a boiling point at or above 38 °C (100 °F) or having a flash point between 23 and 38 °C (73 and 100 °F).

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

15.2 Chemical Safety Assessment:

- A chemical safety assessment has not 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:

R11 - Highly flammable

R38 - Irritating to skin

R41 - Risk of serious damage to eyes

R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

DISCLAIMER OF RESPONSIBILITY

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