


<b>Material Safety Data Sheet</b>		
Fatty Alcohol Polyoxyethylene Ether		
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## 1. Chemical Product and Company Identification

**INCI name:** Fatty Alcohol Polyoxyethylene Ether

**CAS No.:** 111-09-3

**Chemical structure:** RO-(CH<sub>2</sub>CH<sub>2</sub>O)<sub>9</sub>-H

**Trade name:** Yeser<sup>®</sup> AEO-9

**Product application:** Commonly used in household and industrial detergents.

**Supplier name:** GUANGZHOU YESER CHEMICALS CO., LTD

**Supplier address:** Room 903-05, Building E, Longxi Center, No.18 Qide Road, Guangzhou City, China

**Website:** yeserchem.com **E-mail:** info@yeserchem.com

**Contact number:** +86-20- 86213761 400-0768-668

**Emergency contact number:** +86-20- 86213761

## 2. Hazards Identification

This product is not a hazardous substance or mixture.

### Ingestion:

A large amount of ingestion causes nausea and vomiting.

May cause some irritation to the mouth and upper digestive tract.

May cause significant skin irritation especially if exposure is prolonged and/or repeated.

Contact with eyes can cause severe irritation. If not washed out promptly, will injure the tissue, and permanent damage may result.


## 3. Composition/Information on Ingredients

Component	CAS NO.	Percentage, %
Fatty Alcohol Polyoxyethylene Ether	111-09-3	99.7 min.
Water	7732-18-5	0.3 max.

## 4. First aid Measures

**Eye:** If this product comes in contact with the eyes:

- Immediately hold eyelids apart and flush the eye continuously with running water.
- Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids.

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- Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes.

- If irritation persists, get medical attention Immediately.

Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.

**Skin:** If skin or hair contact occurs:

- Flush skin and hair with running water (and soap if available).
- Seek medical attention in event of irritation.

**Inhalation:**

- Inhalation If fumes, aerosols or combustion products are inhaled remove from contaminated area.
- Other measures are usually unnecessary.

**Ingestion:**

- IF SWALLOWED, REFER FOR MEDICAL ATTENTION, WHERE POSSIBLE, WITHOUT DELAY.
- For advice, contact a Poisons Information Centre or a doctor.
- Urgent hospital treatment is likely to be needed.
- In the meantime, qualified first-aid personnel should treat the patient following observation and employing supportive measures as indicated by the patient's condition.
- If the services of a medical officer or medical doctor are readily available, the patient should be placed in his/her care and a copy of the MSDS should be provided. Further action will be the responsibility of the medical specialist.
- If medical attention is not available on the worksite or surroundings send the patient to a hospital together with a copy of the MSDS.

**Where medical attention is not immediately available or where the patient is more than 15 minutes from a hospital or unless instructed otherwise:**

- INDUCE vomiting with fingers down the back of the throat, ONLY IF CONSCIOUS. Lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration.
- NOTE: Wear a protective glove when inducing vomiting by mechanical means.

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## 5. Fire-fighting Measures

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**Flammability of the Product:** Non-Flammable.

**Auto-Ignition Temperature:** Not Applicable.

**Flash Point:** Not Applicable.

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**Means of extinction:** Use water spray, Carbon Dioxide, Dry Chemical, or Alcohol Foam. Use water to keep fire-exposed container cool.

**Advice for firefighters:**

- Alert Fire Brigade and tell them location and nature of hazard.
- Wear breathing apparatus plus protective gloves.
- Prevent, by any means available, spillage from entering drains or water courses.
- Use water delivered as a fine spray to control fire and cool adjacent area.
- DO NOT approach containers suspected to be hot.
- Cool fire exposed containers with water spray from a protected location.
- If safe to do so, remove containers from path of fire.
- Equipment should be thoroughly decontaminated after use.

**Fire/Explosion Hazard:**

- Combustible. Will burn if ignited.
- May emit poisonous fumes.
- May emit corrosive fumes.

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**6. Accidental Release Measures**

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**Worker protective measures, protective equipment and emergency procedures:**

It is recommended that emergency personnel wear rubber gloves and protective glasses for operation, and a small amount of leakage should be washed directly with water.

**Environmental protection measures:**

A large number of leaks need to be recycled as much as possible to avoid large amount of leakage into the sewer and prevent pollution.

**Storage, removal methods and disposal materials of leaked chemicals:**

**Large spills:** Recycle as much as possible into plastic containers and rinse with water.

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**7. Handling and storage**


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**Suitable Containers:**

- Metal can or drum
- Packaging as recommended by manufacturer.
- Check all containers are clearly labelled and free from leaks.

**Safe handling:**

- Avoid all personal contact, including inhalation.
- Wear protective clothing when risk of exposure occurs.
- Use in a well-ventilated area.
- Prevent concentration in hollows and sumps.

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- DO NOT enter confined spaces until atmosphere has been checked.
- DO NOT allow material to contact humans, exposed food or food utensils.
- Avoid contact with incompatible materials.
- When handling, DO NOT eat, drink or smoke.
- Keep containers securely sealed when not in use.
- Avoid physical damage to containers.
- Always wash hands with soap and water after handling.
- Work clothes should be laundered separately. Launder contaminated clothing before re-use.
- Use good occupational work practice.
- Observe manufacturer's storage and handling recommendations contained within this MSDS.
- Atmosphere should be regularly checked against established exposure standards to ensure safe working conditions are maintained.

**Other information:**

- Store in original containers.
- Keep containers securely sealed.
- Store in a cool, dry, well-ventilated area.
- Store away from incompatible materials and foodstuff containers.
- Protect containers against physical damage and check regularly for leaks.
- Observe manufacturer's storage and handling recommendations contained within this MSDS.

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**8. Exposure controls/personal protection**

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**Personal protection:**



**Respiration:** Air respirator

**Eye and face protection:**

- Safety glasses with side shields.
- Chemical goggles.

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- Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irritants. A written policy document, describing the wearing of lenses or restrictions on use, should be created for each workplace or task. This should include a review of lens absorption and adsorption for the class of chemicals in use and an account of injury experience. Medical and first-aid personnel should be trained in their removal and suitable equipment should be readily available. In the event of chemical exposure, begin eye irrigation immediately and remove contact lens as soon as practicable. Lens should be removed at the first signs of eye redness or irritation - lens should be removed in a clean environment only after workers have washed hands thoroughly. [CDC NIOSH Current Intelligence Bulletin 59], [AS/NZS 1336 or national equivalent].

**Skin(Hands/Feet) protection:**

- Wear chemical protective gloves, e.g. PVC.
- Wear safety footwear or safety gumboots, e.g. Rubber

**Body:** Aprons.

**Skin:** Rubber Gloves

**Hygiene precautions:** Remove contaminated clothing and wash hands.

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## 9. Physical and chemical properties

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Appearance(25°C)	Colorless to light yellowish liquid
Cloud point(1% water solution),°C	78-82
Active matter content, %	≥99.5
Hydroxyl value, mgKOH/g	92-100
Polyglycol content, %	≤1.0
HLB value	13-14
Color(30-40°C), Pt-Co	30 max
pH-value, (1% sol)	6.0-7.0
Moisture content, %	≤0.3


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## 10. Stability and reactivity

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**Chemical Stability:** Product is stable under the prescribed storage conditions.

**Incompatibility with other Substances:** Strong Mineral Acids & strong Oxidizers.

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**Reactivity and under what conditions:** Exposure to strong heat or mineral acids may lead to chemical decomposition & acidic by-products.

**Hazardous Decomposition:** Oxides of Sulfur.

## 11. Toxicological information

**Toxicity:** Non toxic

**Skin contact:** Slight. The material may produce severe skin irritation after prolonged or repeated exposure, and may produce a contact dermatitis (nonallergic). This form of dermatitis is often characterized by skin redness (erythema) thickening of the epidermis.

**Inhalation acute:** None

**Skin absorption:** None

**Inhalation Chronic:** None

**Eye contact:** Slight. The material may produce severe irritation to the eye causing pronounced inflammation. Repeated or prolonged exposure to irritants may produce conjunctivitis.

**Ingestion:** N/A

**Effect of Acute and Chronic Exposure to Material:** Mist can be irritating to nose, throat & upper respiratory tract. Symptoms include cough, dry throat, and difficulty in breathing, nasal congestion & headaches.

**Irritancy of material:** Slight

**Carcinogenicity, Reproductive Effects, Terratogenicity, Mutagen city:** None reported

## 12. Ecological information


Endpoint	Endpoint	Species	Value
LC50	96	Fish	0.876mg/L
EC50	48	Crustacea	0.53mg/L
EC50	72	Algae or other aquatic plants	0.19mg/L
NOEC	72	Algae or other aquatic plants	0.078mg/L

The product should not get into water without treatment.

Dissolved in water, the material is easily biodegradable (90 %) and will not cause any disturbance in waste water treatment plants.

## 13. Disposal considerations

**Leak-and-spill procedures:** Being a liquid, it can be collected, cleaned up and stored in closed containers.

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**Disposal:** This material is not hazardous material can be washed off with water jet, ensuring contaminated water does not enter sewerages.

**Waste treatment methods:**

- Containers may still present a chemical hazard/ danger when empty.
- Return to supplier for reuse/ recycling if possible.

Otherwise:

- If container can not be cleaned sufficiently well to ensure that residuals do not remain or if the container cannot be used to store the same product, then puncture containers, to prevent re-use, and bury at an authorised landfill.
- Where possible retain label warnings and SDS and observe all notices pertaining to the product.
- Recycle wherever possible or consult manufacturer for recycling options.
- Consult State Land Waste Management Authority for disposal.
- Bury residue in an authorised landfill.
- Recycle containers if possible, or dispose of in an authorised landfill.

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#### 14. Transport information

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**UN Dangerous Goods Code:** Not applicable

**UN transport name:** Not applicable

**UN Classification of Hazards:** Not applicable

**Marine pollutants (Yes/No):** No

**Packing method:** In net weight 200kg iron drum.

**Transportation precautions:** This product is suitable for railway, highway and waterway transportation. It should be protected from exposure and rain during transportation. And follow the rules for safe transportation.

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#### 15. Regulatory Information

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**The following laws, regulations, rules and standards have made corresponding provisions on the management of the chemical:**

Workplace Safety Chemicals Regulations

Convention on the Safe Use of Chemicals in the Workplace

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#### 16. Other Information

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**Writing and revising information**

**Date originally compiled:** May 19, 2019

**Date of last revision:** January 11, 2021

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IMPORTANT: while the descriptions, designs, data and information contained herein are presented in good faith and believed to be accurate, it is provided for your guidance only. Because many factors may affect processing or application/use, we recommend that you make tests to determine the suitability of a product for your particular purpose prior to use. No warranties of any kind, either expressed or implied, including warranties of merchantability or fitness for a particular purpose, are made regarding products described or designs, data or information set forth, or that the products, designs, data or information may be used without infringing the intellectual property rights of others. In no case shall the descriptions, information, data or designs provided be considered a part of our terms and conditions of sale. Further, you expressly understand and agree that the descriptions, designs, data, and information furnished by our company hereunder are given gratis and we assume no obligation or liability for the description, designs, data and information given or results obtained, all such being given and accepted at your risk.

END OF DATA SHEET