1. Chemical Product and Company Identification

INCI name: Linear Alkyl Benzene Sulphonic Acid

CAS No.: 27176-87-0

Chemical structure: R–C_6H_4–SO_3H (R is a linear alkyl group)

Trade name: Yeser® LABSA 96% (grade: RSAW LABSA/ZA)

Product application: Widely used as the primary surfactant 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

Label symbol:



Signal Word: DANGER

GHS hazard classifications:

Skin Corrosion Category 1B (H314)

Eye Damage/Irritation Hazard Category 1

Sensitization-Skin Hazard Category 1B

Corrosive to Metals Hazard Category 1

Acute Toxicity-Oral Hazard Category 4

Hazard Statements:

Causes severe skin burns and eye damage.

May be corrosive to metals.

May cause an allergic skin reaction.

Harmful if swallowed.

Causes serious eye damage.

Prevention:

Do not eat, drink or smoke when using this product.

Contaminated work clothing must not be allowed out of the workplace.

Wash skin thoroughly after handling.

Wear protective gloves, chemical protective clothing, eye protective goggles and face shield for face protection.

Keep only in original container.

Response:

Immediately call poison center or doctor and explain the type of exposure to the chemical(s) and provide the name of the chemical(s).

If swallowed:

- Call poison center/doctor if you feel unwell.
- Rinse Mouth.
- Wash contaminated clothing before reuse.
- Specific treatment - refer to poison center or doctor for advice.

If in eyes:

- Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- Absorb spillage to prevent material damage .
- If on skin: Rinse immediately with water or shower.
- Remove contaminated clothing immediately. Seek medical help.

Storage:

Store in corrosive resistant high density polyethylene container.

Disposal:

Dispose of contents/container in accordance with local, regional, national, or international regulations.

3. Composition/Information on Ingredients

Component	CAS NO.	Percentage, %
Linear Alkyl Benzene Sulphonic Acid	27176-87-0	96.0 min.
Sulfuric acid (free)	7664-93-9	1.5 max.

4. First aid Measures

After Inhalation:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

After Skin Contact:

Immediately remove contaminated clothing under a safety shower. Flush all affected areas with large amounts of water for 15 minutes. DO NOT attempt to neutralize with chemical agents. Obtain medical advice.

After Eye Contact:

Immediately flush the eyes with large quantities of running water for 15 minutes. Hold the eyelids apart during the flushing to ensure rinsing of the entire surface of the eyelids with water. DO NOT attempt to neutralize with chemical agents. Obtain medical attention as soon as possible. Oils or ointments should not be used. Continue rinsing for an additional 15 minutes if the physician is not available.

After Ingestion:

If swallowed: Rinse mouth. Do NOT induce vomiting

5. Fire-fighting Measures

General information: The product poses little risk of ignition. If it happens to be involved in a fire, keep the tank cooled by means of a water spray in order to avoid decomposition of the product.

Auto-Ignition Temperature: Not Applicable.

Flash Point: Not Applicable.

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

Personnel: Fire fighters should wear full protective clothing, including self-contained breathing equipment

Specific hazards: Combustion produces carbon dioxide, carbon monoxide and oxides of Sulphur. When heated to decomposition, toxic fumes of SO2 and SO3 are emitted.

6. Accidental Release Measures

Methods and Materials for containment & cleaning up:

If trained in accordance 29 CFR 1910.120, leaks should be stopped. Spills should be contained and cleaned immediately. Persons performing cleanup work should wear adequate personal protective equipment and clothing. Spills and releases should be reported, if required, to the appropriate local, state and federal regulatory agencies.

Trained personnel should contain and recover spills using compatible materials.

Keep spills and contaminated wash water out of drains, soil and waterways.

Follow the approved site spill procedure. Do not improvise neutralisation.

Avoid release to the environment.

7. Handling and storage

Precautions for safe handling:

Use ventilation sufficient to keep personal exposure below the OSHA Permissible Exposure Limits (PEL) and or the ACGIH Threshold Limit Value (TLV) Time Weighted Average (TWA) exposure limits.

Wear rubber protective gloves, chemical protective clothing, eye protective goggles and face shield for face protection.

Avoid breathing dust, fumes, gas, mist, vapors and sprays.

Eating, drinking and smoking in the work area is prohibited.

Do not get in eyes, or on skin, or on clothing.

Keep only in original container .

Keep container tightly closed.

Storage Conditions of Containers:

Use leak-proof Drums.

Store in corrosive resistant container.

Store locked up and away from incompatible chemicals.

Store in cool dry place.

8. Exposure controls/personal protection

Respiration: Air respirator

Eyes: Chemical safety goggles with face shield.

Feet: Safety Shoes/Gum Boots.

Body: Aprons.

Skin: Acid resistant rubber.

Hygiene precautions: Remove contaminated clothing and wash hands.

9. Physical and chemical properties

Appearance (25℃）	Viscous brown liquid
Odor	Characteristic odor
Average molecular weight	321±4

Active matter content, %	96 min
Unsulfonated organic matter (Free oil), %	2.0 max
Free sulfuric acid, %	1.5 max
Color (5%Am.aq.sol.), Klett	50 max
Acid value, mg KOH/g	180-190

10. Stability and reactivity

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

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

Conditions to avoid: Do not heat above 90 degrees centigrade

Hazardous Decomposition: Possibility of decomposition if heated and in contact with sources of ignition. Releases of toxic gases and vapors (Sulfur oxides (SO2, SO3).

11. Toxicological information

Oral Administration: No product-specific LD50 data available.

Inhalation: Acid mist may irritate the respiratory tract.

Immediate effects: Causes severe skin burns and eye damage.

Cancer Hazard: Not listed by IARC, NTP, OSHA, ACGIH

Routes of Exposure: Eyes, Skin, Inhalation, Ingestion

12. Ecological information

The product should not get into water without treatment.

Product-specific biodegradation and aquatic toxicity data are unavailable.

Do not discharge into drains or waterways.

13. Disposal considerations

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

Disposal: Collect product residues and contaminated wash water in compatible containers.

Use an authorised waste contractor. Follow applicable waste regulations.

14. Transport information

UN Dangerous Goods Code: UN 2586 (IMDG)

UN transport name: ARYLSULPHONIC ACIDS, LIQUID

UN Classification of Hazards: Class 8 (corrosive)

Packing Group: III

Transport mode covered: Sea (IMDG Code).

Packing method: Use UN-approved packaging suitable for this substance.

Transportation precautions: Follow IMDG packing and handling provisions.

UN 2586 applies to this liquid grade with no more than 5% free sulfuric acid.

Other modes: Use the applicable modal transport rules.

15. Regulatory Information

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

16. Other Information

Writing and revising information

Date originally compiled: April 12, 2012

Revision issued: November 27, 2026.

Revision scope: Product identification, skin corrosion, composition and sea transport information for RSAW LABSA/ZA.

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