

MATERIAL SAFETY DATA SHEET (MSDS)

LINEAR ALKYL BENZENE SULFONIC ACID (LABSA)

Revision No. 1.0 - Revision Date 10-Jan-2021 Print Date 2021-02-22



Section 1.

Identification of the substance/Preparation and of the Company/undertaking:

1.1 Product identification

Trade Name: Giant LAS 96

Synonyms: Linear alkyl benzene sulphonic acid ,LABSA, Dodecylbenzene Sulphonic Acid

General Chemical formula: R-C₆H₄SO₃H (R = C₉H₁₉, C₁₀H₂₁, C₁₁H₂₃, C₁₂H₂₅, C₁₃H₂₇ or C₁₄H₂₉)

1.2 Recommended Use: It is used as raw material for synthetic detergent industry, Laundry, dishwasher powder detergent, detergent gels, liquid soaps, cleaning powder and fatty soaps. As mercerized and washing agents used in the textile industry.

1.3 Details of the supplier of the safety data sheet

Company :Hamoudeh Industrial and trading EST
Al Mafraq – Jordan
Jaber Highway Street
Thagret Al Gub

Telephone : 00962 799079900
Fax : 00962 791602974
E-mail Address : MSDS@giantgroup.me
Responsible/issuing person : Eng. Maha Abu Reish

1.4 Emergency telephone number

+962799079900
Please refer to section 16 for full details.

Section 2. Hazards identification:

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No. 1272/2008)

2.2 Adverse Human Health Effects :

The product is a corrosive substance. Contact with the eyes may cause ocular lesions and contact with the skin may cause burns. It is seriously irritating to the mucous if swallowed. The product is harmful if ingested.

2.3 Environmental Effects:

The product is not classified as dangerous to environment. The user is advised to use anyway good work practice and to avoid contamination of environment.

2.4 Other Effects:

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The product is a strong acid which reacts exothermally with bases. Dilution with water produces heat.

2.5 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms	:	
Signal Word	:	Warning 
Hazard statements:		H319: Causes eye irritation H302: Harmful if swallowed H332: Harmful if inhaled H315: cause skin irritation

2.6 Classification And Labeling Provisional

Symbols of Hazard:

Risk Phrases:

R 22 - Harmful if swallowed. R 34 - Causes burns.

2.7 Safety Advices:

S 26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical help.

S 28 - After contact with skin, wash immediately with plenty of water.

S 36/37/39 - Wear suitable protective clothing, gloves and eye/face protection.

Response:

P305+P351+P338

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P312 Call a POISON CENTER or doctor/physician if you feel unwell.

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SECTION 3. Composition/information on ingredients:

3.1 Substances
Not applicable

3.2 Mixtures

Items	Composition
Active Matter (LABSA) %	≥ 96.0
Free Acid (H ₂ SO ₄) %	≤ 1.3
Free Oil (Linear Alkyl Benzene) %	≤ 2.5
Moisture (H ₂ O) %	≤ 1.0

Hazardous Ingredient:

Name	Concentration	CAS No.	EC No.	SYMBOL	R Phrases
Sulfuric Acid	1.3 % Max.	7664-93-9	016-020-00-8	C-Corrosive	R 35

SECTION 4. First aid measures:

4.1 Description of first aid measures

- If inhaled: remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice if you feel unwell.
- In case of skin contact: Wash thoroughly with water
- In case of eye contact: Remove contact lenses. Immediately flush eyes for at least 15 minutes
- If swallowed: Keep respiratory tract clear.
DO NOT INDUCE VOMITING
Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

4.2 Indication of any immediate medical attention and special treatment needed

Refer to section 4.1

SECTION 5. Firefighting measures:

5.1. Extinguishing media

Suitable extinguishing media: Dry chemical
foam
Carbon dioxide (CO₂)
Water spray
Sand

5.2. Special hazards arising from the substance or mixture

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Specific Hazards:

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

Special Equipment:

For large fires, wear self-contained breathing apparatus.

5.3. Advice for firefighters

Firefighting instructions: No specific firefighting instructions required.

Protection during firefighting: In case of inadequate ventilation wear respiratory protection

SECTION 6. Accidental release measures:

6.1 Personal Precautions:

Avoid direct contact with the product. Wear rubber gloves, rubber boots, face shield and keep close by a gas mask provided with filter for acid vapors.

6.2 Environmental Precautions:

Surround the spill with earth or sand. Collect the spilled material in suitable Containers, if necessary absorb the spill onto inert materials. Dispose of material according to the requirements of local law. In case of Leaking into sewer inform the local authorities.

6.3 Methods For Cleaning Up:

Neutralize the residue of the product with NaOH or with caustic lime. Wash the contaminated area with plenty of water. If excessive foam is produced, use a silicone based antifoam to bring it down.

SECTION 7. Handling and storage:

Avoid contact with the product. While handling the product, wear a protective apron, rubber or PVC gloves and a face shield. Handle the product in well ventilated areas. Neutralize with base under controlled conditions. Do not heat above 50°C. Compatible materials: stainless steel, mild steel, plastic materials. Incompatible with galvanized steel, aluminum, copper alloys.

SECTION 8. Exposure controls/personal protection:

8.1 Precautionary Measures:

Installation of an eyewash fountain is recommended. Do not eat or drink onto the work place, When handling the product use approved protective clothing, rubber or PVC gloves, and a face shield.

8.2 Personal Protective Equipment:

Wear safety goggles or a face shield and approved protective clothing.

8.3 Threshold Limit Value:

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Not established.

8.4 Requirements for periodic health check up:

Specific measures are not foreseen.

SECTION 9. Physical and chemical properties:

9.1 Information on basic physical and chemical properties

Appearance at 20°C:	Brown viscous liquid
Odour:	Of sulfur
Nominal Active Matter Concentr:	96 ~ 97% m/m
Average Molecular Mass:	320 ~ 326 g/mol
Solubility At 20°C:	<ul style="list-style-type: none">• Water: Soluble• Ethanol: Soluble• Acetone: Not compatible• Aliphatic Hydrocarbons: Insoluble
Mass Density At 20°C :	~ 1.070 g/cm ³
Viscosity At 20°C :	~ 1500°C 2000 mPa.s.
Melting Range:	~ - 10°C
Boiling Point:	~ 315°C (Decomposes)
Vapour Pressure At 20°C:	Below 0.15 (0.001 mm Hg).
Vapour Density (air = 1):	Not applicable to this product
Flash Point (PMcc):	>200°C.
Auto-ignition Temperature:	Not applicable to this product
Decomposition Temperature:	> 100°C
pH:	< 1 (Acid)
Explosion Properties:	Not pertinent to this product
Oxidizing Properties:	Not pertinent to this product

9.2 Other information

Not applicable

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SECTION 10. Stability and reactivity:

10.1 Hazardous Decomposition Products:

In case of overheating, sulfur oxides can be emitted.

10.2 Conditions To Avoid:

Do not heat above 80°C, 90°C.

10.3 Materials To Avoid :

Neutralization with bases under uncontrolled conditions.

10.4 Intended Use And Transformation:

The product maybe neutralized under controlled conditions with the appropriate base to produce the corresponding salt.

SECTION 11. Toxicological information:

11.1 Possible Routes Of Penetration:

Ingestion and contact.

11.2 Ingestion:

Corrosive substance, harmful for ingestion.

11.3 Oral Acute LD50:

2,000 mg/Kg

11.4 Eye Contact:

Severe eye irritant (rabbit). It may cause irreversible damage to the eyes.

11.5 Skin Contact:

Contact may cause ulcerations.

11.6 Sensitization:

Not sensitizing.

11.7 Inhalation:

Inhalation is possible only as an aerosol. Strong irritant to respiratory passages.

SECTION 12. Ecological information:

12.1 Environmental Distribution:

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Water is likely to be the main transport medium for the chemical, to estimate its possible environmental distribution.

12.2 Primary Biodegradability:

> 90% (OECD screening test (sodium salt)) The surfactant fulfils the requisite minimum requirements of primary Biodegradability.

12.3 Abiotic Degradability:

Not available

12.4 Ecotoxicity:

2.49 mg O₂/mg

12.5 Chemical Oxygen Demand(COD) :

Not available

12.6 LOG P o/w:

Not applicable, surface active substance.

12.7 BCF:

Insufficient available information.

SECTION 13. Disposal considerations:

Dispose of product in authorized places/methods in treated in a biological waste water treatment plant.

SECTION 14. Transport information:

UN Classification Number:	2586
Name Of The Delivering Product:	Linear Alkyl Benzene Sulphonic Acid/LABSA90%
Packing Instruction:	P001
Packaging Group	III
Class:	8
Marine Pollutant:	No
EMS NUMBER:	F-A, S-B
HS Code:	34021190

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SECTION 15. Regulatory information:

Classification And Labeling

15.1 Provisional Symbols of Hazard:

15.2 Risk Phrases:

R 22 - Harmful if swallowed. R 34 - Causes burns.

15.3 Safety Advices:

S 26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical help.

S 28 - After contact with skin, wash immediately with plenty of water.

S 36/37/39 - Wear suitable protective clothing, gloves and eye/face protection.

SECTION 16. Other information:

Full text of H-Statements referred to under sections 2 and 3.

H319:	Causes eye irritation
H302:	Harmful if swallowed
H332:	Harmful if inhaled
H315:	Cause skin irritation

HAMOUDEH assumes no responsibility of injury to the user or third person proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet.

The information is based on our present knowledge and experience and intended to describe the products with a view to the safety precautions to take. It does not represent a guarantee of the properties of the product.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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Telephone : 00962 799079900
Fax : 00962 791602974
E-mail Address : MSDS@giantgroup.me