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THE BTTCO OVERSEAS

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Material Safety Data Sheet
LABSA 90 (Linear Alkyl Benzene Sulphonic Acid)

Section 1 - Chemical Product and Company Identification

MSDS Name : LABSA 90 (Linear Alkyl Benzene Sulphonic Acid)
Chemical Name : Linear Alkyl Benzene Sulfonic Acid
Synonyms : Dodecylbenzene Sulfonic Acid, Linear Alkylbenzene Sulfonic Acid
Molecular Weight : 325 g/mol
CAS No : 27176-87-0

Recommended Use : Intermediary for production of Detergent.

Company Identification : The BTTCO Overseas
6, Ashirvad Complex, Nr. Sardar Patel Seva Samaj Hall,
Navrangpura, Ahmedabad – 380009

Telephone Number : +91-94265 96891
Contact Person : Mr. Dinesh Lunkad

Section 2 Composition, Information on Ingredients

CHEMICAL NATURE : Substance

Chemical Name/ Ingredient	Proper Shipping Name	Technical Name	Chemical Formula	CAS #	EINECS Number	EC Number
Linear Alkyl Benzene Sulfonic Acid	ALKYLSULPHONIC ACIDS, LIQUID with not more than 5% free sulphuric acid	LABSA 90%	C6H4(SO3H)(CS2)10CS3	42615-29-2	248-289-4	Not Classified.

Hazardous Impurities

Name	Concentr.	CAS No.	EC No.	Symbol	R Phrases
Sulfuric Acid	4-7% Max.	7664-93-9	016-020-00-8	C-Corrosive	R 35

R 35: Causes severe burns.

Section 3 Hazards Identification

Adverse Human Health Effects : The product is a corrosive substance. Contact with the eyes may cause ocular lesions. Contact with the skin may cause burns. It is seriously irritating to the mucous if swallowed. The product is harmful if ingested.

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.

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

Section 4 First Aid Measures

Eye Contact : Flush eyes immediately with running water for a long time. Seek medical assistance immediately.

Skin Contact : The product may cause burns. Remove the contaminated clothing and wash with plenty of water and call a physician immediately.

Inhalation : The product is not volatile. If under condition, such as in the case of fire, fumes or aerosols are inhaled, remove the patient to a well-ventilated location and call a physician.

Ingestion : The product may cause severe irritation of the mouth and esophagus. If accidentally ingested, administer water. Do not induce vomiting. Call a physician immediately.

Note for Physician : The product is a high foaming anionic surfactant. If gastric lavage is Necessary, then use a silicone antifoam (dimethicone).

Section 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 water spray to avoid the Decomposition of the product.

Fire extinguishing media : Water spray, foam, carbon dioxide.

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.

Section 6 - Accidental Release Measures

Personal Precautions : Avoid direct contact with the product. Wear rubber gloves and rubber Boots, face shield and keep close by a gas mask provided with filter For acid vapors.

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.

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

Handling

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, Aluminium, copper alloys.

Section 8 - Exposure Controls, Personal Protection

Precautionary Measures : Installation of an eyewash fountain is recommended. Do not! eat or drink onto the workplace, when handling the product use approved protective clothing, rubber or PVC gloves, and a face shield.

Personal protective Equipment : Wear safety goggles or a face shield and approved protective clothing

Threshold Limit Value : Not established.

Requirements For Periodic Health Check-Up : Specific measures are not foreseen.

Section 9 - Physical and Chemical Properties

Appearance At 20°C	: Brown Viscous Liquid.
Odor	: Of Sulphur.
Nominal active matter concentr	: 90% M/M.
Average Molecular Mass	: 326
Solubility At 20 ° C	
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 – 2000 mPa.s.
Melting Range	: - 10 °C.
Boiling Point	: 315 °C.
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.
Autoignition Temperature	: Not applicable to This Product.
Decomposition Temperature	: > 100 °C
Ph	: 2
Explosion Properties	: Not Pertinent to This Product.
Oxidizing Properties	: Not Pertinent to This Product.

Section 10 - Stability and Reactivity

Hazardous Decomposition Products : In case of overheating, sulfur oxides can be emitted.

Conditions To Avoid : Do not heat above 80 – 90 °C.

Materials To Avoid : Neutralization with bases under uncontrolled conditions.

Intended Use and Transformation : The product maybe neutralized under controlled conditions with the appropriate base to produce the corresponding salt.

Section 11 - Toxicological Information

Possible Routes Of Penetration : Ingestion and contact.

Ingestion : Corrosive substance, harmful for ingestion.
Oral acute LD50: > 500 – 2,000 mg/Kg.

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

Skin Contact : Contact may cause ulcerations.

Sensitization : Not sensitizing.

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

Section 12 - Ecological Information

Environmental Distribution : Water is likely to be the main transport medium for the chemical, to extimate its possible environmental distribution.

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

Abiotic Degradability : Not available.

ECOTOXITY : 2.49 mg O2/mg.

Chemical Oxygen Demand (COD) : Not available.

LOG P o/w : Not applicable, surface-active substance.

BCF : Insufficient available information.

Section 13 - Disposal Considerations

Waste treatment Methods
Dispose of product in authorized places / methods in observance with current laws. It may be treated in a biological wastewater treatment plant.

Section 14 – Transport Information

DOT/IMDG/IMO/IATA

Proper Shipping Name : ALKYLSULPHONIC ACIDS, LIQUID with not more than 5% free sulphuric acid
Technical Name : Linear Alkyl Benzene Sulphonic Acid (LABSA 90%)
UN No : UN 2586
CAS No : 27176-87-0
EMS No : F-A, S-B
IMDG-Packaging Group : III
Marine Pollutant : No
Class : Class 8 (Corrosive)
Packing Group : III
Subsidiary Risks : None
MFAG : Table 700 (or current IMDG Medical First Aid Guide reference)
Segregation : Keep away from alkalis, oxidizing agents, foodstuffs, and animal feed.
Label Required : Class 8 (Corrosive) Label



Class 8 (Corrosive substances)

Section 15 -Regulatory Information

Classification And Labelling

Provisional
Symbols of Hazard :



Class 8
(Corrosive substances)

Risk Phrases : R 22 – Harmful if swallowed.
R 34 – Causes burns.

Safety Advice

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

Disclaimer:
This document is provided solely as a guideline for the safe handling of the material by trained and qualified personnel using this product. Users are responsible for evaluating the suitability of the information for their specific applications and conditions of use. Although the information and recommendations contained herein are believed to be accurate and reliable as of the date of issue, BTTCO GROUP makes no representations or warranties regarding their completeness or accuracy and assumes no liability for any loss, damage, or consequences resulting from reliance on this information.

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