

## Material Safety Data Sheet

# MSDS

Chemical Name: Linear Alkyl Benzene (LAB)

### Section 1 – Chemical Product

**Product/Trade Name :** SarvaChem  
**Manufacturer's Name :** SarvaChem

**Formula:**           CH<sub>2</sub>(CH<sub>2</sub>)<sub>m</sub>-CH(CH<sub>2</sub>)<sub>n</sub> CH<sub>3</sub>  
  C<sub>6</sub>H<sub>5</sub>

**CAS #**                         : 67774-74-7  
**EC No.**                        : 267-051-0  
**General**                     : Intermediate for  
  Surfactants Supplier.

### Section 2 – Composition/Information on Ingredients

Hazardous Components (Specific Chemical Identity; common names)	OSHA PEL	ACGIH TLV	Other Limit Recommended	% Optional
Chemical Name: Linear Alkyl Benzene CAS Name : LAB CAS # : 67774-74-7 EINECS No : 267-051-0	N/K	N/K	N/A	N/A
The substance does not come within the criteria of dangerousness.				

### Section 3- Hazards Identification

#### \*\*\*\*\* Emergency Overview \*\*\*\*\*

#### Potential Health Effects

No Specific hazards are encountered under normal use conditions. The Product may cause slight irritation to eyes and skin. Under normal conditions, this product shows a low vapour pressure. Therefore it is not an inhalation hazard. Prolonged exposure to high vapour concentrations or mist may result in dizziness, headache and irritation to eyes, nose and throat.

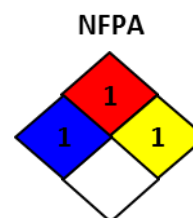
**Inhalation :** Under normal conditions the risk of inhalation is very low. In the event of overheating or fire where fumes vapour or aerosols are inhaled, Immediately remove the Victim from the contaminated premises to a well Ventilated area. Get medical attention.

**Eye Contact :** Wash immediately with water for at least 15 minutes. If symptoms occur, Get Medical attention.

**Skin Contact :** Immediately take off all contaminated clothing. Wash with plenty of Water and soap. If symptoms persist, get medical attention.

**Swallowing :** Do not induce vomiting since this may cause an aspiration hazard in the Trachea. GET MEDICAL ATTENTION IMMEDIATELY.

#### Section 4 – First Aid Measures



#### Section 5 – Fire-Fighting Measures

Flammable Limits	: 140 °C (C. Cup)
Flash Point (Method Used)	: Other – ASTM D93
LEL	: NA
UEL	: NA
Recommended extinguishers	: Water spray, CO <sub>2</sub> , foam, dry chemical powders, according to the materials involved in the fire. Cool the containers exposed to the fire with water.
Extinguishers not to be used	: None in particular
Risks arising from combustion	: Combustion will produce CO <sub>2</sub> and CO. Avoid inhaling the fumes.
Protective equipment	: Use protection for the respiratory tract.

#### Section 6 – Accidental Release Measures

Measures for personal safety	: Use gloves and protective clothing.
Environmental measures	: Limit Leakages with earth or sand. If the product is in liquid form, stop it from entering the drainage system. If the product has escaped into a water course, into the drainage system, or has contaminated the ground or vegetation, notify the competent authorities.
Cleaning methods	: Recover the product for re-use, if possible, or for elimination. The Product might, where appropriate, be absorbed by inert material. After the product has been recovered, rinse the area and materials involved with water.
Large Spills	: To be complied Regulatory Requirements.

<b>Section 7 – Handling and Storage</b>	
Handling Precautions	: Avoid direct contact, do not eat or drink while working.
Incompatible Materials	: Keep away from strong oxidizing agents.
Storage Conditions	: Keep away from unguarded flame and sparks. Avoid accumulating Electrostatic charge. The product can be stored in stainless steel containers of the AISI 304 or 316 types as well as in carbon steel Containers.
Regulatory Requirements	: Cool and adequately ventilated.
<b>Section 8 – Exposure C</b>	
Exposure Limit(s) (ACGIH)	: None
Precautionary Measures	: Give adequate ventilation (local exhaust or mechanical ventilation) to the premises where the product is stored and/or handled.
Respiratory Protection	: Required where ventilation is insufficient or exposure is prolonged.
Protection for Hands	: It is advisable to wear nitrile rubber or neoprene gloves. Breakthrough time of the glove materials always seek advice from glove suppliers.
Eye Protections	: It is advisable to wear safety goggles or face shield.
Protection for Skin	: No special precaution must be adopted for normal use. However it is possible to follow the good working practices.
<b>Section 9 – Physical and Chemical Properties-Typical</b>	
Physical State	: Liquid
Colour	: Colourless
Odour	: Odourless
Mol. Weight	: 239 – 243 g/mol
Pour Point	: < - 50 °C
Boiling Point/range	: 278 – 316 °C
Flash Point (Close Cup) (°C.)	: 140
Vapour Density	: 8.4 (Air = 1)
Vapour Pressure @ 25 °C	: 0.01 mmHg
Evaporation Rate	: NA
Specific Gravity	: 0.866 (Water = 1)
pH	: NA
Solubility in Water	: Insoluble.
<b>Section 10 – Stability and Reactivity</b>	
Stability	: Stable under normal conditions.
Substances to avoid	: Strong oxidizing agents.
Hazardous Decomposition or Byproducts	: NA
Hazardous Polymerization	: NA

## Section 11 – Toxicological Information

**Acute Toxicity:** The actual lethal dermal dose to rats of LAB is greater than 2.0g/kg bodyweight.

### Local Effects:

- Acute Skin Irritation	:	Slight irritant (rabbit)
- Acute eye irritation	:	Slight irritant (rabbit)
Sensitization Danger	:	not sensitizing
Mutagenicity	:	not mutagenic
Carcinogenicity	:	not carcinogenic
Teratogenicity	:	not teratogenic.
Toxicity to Reproduction	:	not reprotoxic

## Section 12 – Ecological Information

Adopt sound working practices, so that the product is not released into the environment.

### Aquatic Toxicity:

- LC50, fish, 96 hr : No effects at saturated concentration
- EC50, Daphnia, 48hr : No effects at saturated concentration
- EC50, alga, 72 hr : No effects at saturated concentration

Microorganism Toxicity : No effects at saturated concentration

### Note:

Solubility in Water : Insoluble

Bio-Degradability : Sulphonate derivative of LAB are highly biodegradable (97% or greater), according to O.E.C.D.'s official method Described on E.E.C. Directive, 82/243.

## Section 13 – Disposal Considerations

Recover, where possible. Send to authorized disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in forces.

## Section 14 – Transportation Information

Ground transportation : This product is not hazardous for ground transportation.

Sea Transport : It is not dangerous for conveyance.

## Section 15 – Regulatory Information

### EUROPEAN REGULATIONS

Classification and labeling (Directive 67/548/EEC and it subsequent adaptations): The substance does not come within the criteria of dangerousness.

### INTERNATIONAL REGULATIONS

Exposure limits (ACGIH) : None

## Section 16 – Other Information

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The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modification of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.  
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N/A: Not Applicable/Available;    N/E: Not Established;    N/K: Not Known

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