

Material Safety Data Sheet

Revision Date: 15.10.2021

LINEAR ALKYL BENZENE SULPHONIC ACID

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name Linear alkylbenzene sulphonic acid
Synonyms LABSA, Dodecylbenzene Sulfonic Acid, Laurylbenzene Sulfonic Acid, Laurylbenzene Sulfonate

Other means of identification

CAS-No 68584-22-5

Recommended use of the chemical and restrictions on use

Recommended Use: Raw material for detergents, emulsifier, anionic surfactant.

Manufacturer/Supplier Novichem Co.
Address: 30 Magnolia Str, Qaem Maqam Farahani Ave. Tehran
15886/13941 IRAN

**Contact telephone number
(Product information)** +98-21-88329799 (Hunting)

2. HAZARDS IDENTIFICATION

ADG Code Dangerous Goods according to the criteria of the Australian Dangerous Goods Code (ADG Code).

ASCC Hazard Classification Hazardous according to the criteria of ASCC [NOHSC:1008(2004)]

Categories

C	Corrosive
N	Dangerous For The Environment

Risk Phrases

R22	Harmful if swallowed.
R35	Causes severe burns.
R41	Risk of serious eye damage.
R51	Toxic to aquatic organisms.
R24	Toxic in contact with skin.

Safety Phrases

S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S28	After contact with skin, wash immediately with plenty of soap and water.
S36/37/39	Wear suitable protective clothing, gloves and eye/face protection.
S61	Avoid release to the environment. Refer to special instructions/Material Safety Data Sheets.
S20/21	When using do not eat, drink or smoke.
S24/25	Avoid contact with skin and eyes.

3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS-No	Weight %	Chemical name
7732-18-5	< 31 %	Water
68891-38-3	69 - 72 %	Sodium Lauryl Ether Sulphate

4. FIRST AID MEASURES

- General advice** : Move out of dangerous area.
Consult a physician.
Show this safety data sheet to the doctor in attendance. Do not leave the victim unattended.
- If inhaled** : If unconscious, place in recovery position and seek medical advice.
If symptoms persist, call a physician.
- In case of skin contact** : If skin irritation persists, call a physician.
If on skin, rinse well with water. If on clothes, remove clothes.
- In case of eye contact** : Small amounts splashed into eyes can cause irreversible tissue damage and blindness.
In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Continue rinsing eyes during transport to hospital.
Remove contact lenses.
Protect unharmed eye.
Keep eye wide open while rinsing.
If eye irritation persists, consult a specialist.
- If swallowed** : Keep respiratory tract clear.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	Water spray, carbon dioxide, foam, dry chemical powder, halon
Unsuitable extinguishing media	None
Specific hazards during fire-fighting	None
Hazardous combustion products	None
Further information	None
Special protective equipment for firefighters	None

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	: Use personal protective equipment.
Environmental precautions	: Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.
Methods and materials for containment and cleaning up	: Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Advice on protection against fire and explosion	: Normal measures for preventive fire protection.
Advice on safe handling	: Do not breathe vapours/dust. Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. To avoid spills during handling keep bottle on a metal tray.

Dispose of rinse water in accordance with local and national regulations.

Conditions for safe storage : Keep container tightly closed in a dry and well-ventilated place.
Electrical installations / working materials must comply with the technological safety standards.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

Personal protective equipment

Respiratory protection : No personal respiratory protective equipment normally required.

Hand protection

Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Eye protection : Eye wash bottle with pure water
Tightly fitting safety goggles
Wear face-shield and protective suit for abnormal processing problems.

Skin and body protection : Impervious clothing
Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hygiene measures : When using do not eat or drink.
When using do not smoke.
Wash hands before breaks and at the end of workday.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State : Liquid

Appearance : Pale straw viscous

Odor : Characteristic

Set point (°C) : ca. 7

pH : ca 7.5 (20°C) (100 g/l)

Vapor Pressure : Not available

Viscosity : ca. 25000 m Pa.s. (25°C) (Brookfield RVT Spindle 4.R.P.M 100)

Boiling Point : Not available

Freezing/Melting Point : 10-15°C

Autoignition Temperature : Not available

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Flash Point : Not available
Explosion Limits, lower : Not available
Explosion Limits, upper : Not available
Decomposition Temperature : Not available
Solubility in water : ca 450 g/l (20°C)
Solubility in lower alcohols : fully miscible (20°C)
Relative Density : ca 1.1 (20°C)

10. STABILITY AND REACTIVITY

Reactivity : No dangerous reaction known under conditions of normal use.
Chemical stability : Stable under normal conditions.
Possibility of hazardous reactions : No decomposition if stored and applied as directed.
Conditions to avoid : Keep away from heat, flame, sparks and other ignition sources.
Incompatible materials : No data available

11. TOXICOLOGICAL INFORMATION**Product:**

Acute oral toxicity : Acute toxicity estimate: 500 mg/kg

Components:**9004-82-4:**

Acute oral toxicity : Assessment: The component/mixture is moderately toxic after single ingestion.

Skin corrosion/irritation**Product:**

Remarks: Extremely corrosive and destructive to tissue.

Components:**68585-34-2:**

Result: Irritating to skin.

9004-82-4:

Species: Rabbit

Result: Irritating to skin.

Serious eye damage/eye irritation**Product:**

Remarks: May cause irreversible eye damage.

Components:**68585-34-2:**

Species: Rabbit

Result: Risk of serious damage to eyes.

9004-82-4:

Species: Rabbit

Result: Risk of serious damage to eyes.

Carcinogenicity

IARC	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
OSHA	No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.
NTP	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

12. ECOLOGICAL INFORMATION

Ecotoxicity

No data available

Persistence and degradability No data available

Bioaccumulative potential No data available

Mobility in soil

No data available

Other adverse effects

Product:

Ozone-Depletion Potential

: Regulation: 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances
Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues

: Dispose of in accordance with all applicable local, state and federal regulations.
For assistance with your waste management needs - including disposal, recycling and waste stream reduction, contact Uni-var Solutions ChemCare: 1-800-637-7922

Contaminated packaging

: Empty remaining contents.
Dispose of as unused product. Do not re-use empty containers.

14. TRANSPORT INFORMATION

DOT (Department of Transportation): Not regulated as a dangerous good

UNRTDG

Not regulated as a dangerous good

IATA (International Air Transport Association): Not regulated as a dangerous good

IMDG-Code: Not regulated as a dangerous good

15. REGULATORY INFORMATION**EPCRA - Emergency Planning and Community Right-to-Know Act****CERCLA Reportable Quantity**

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards : Acute toxicity (any route of exposure)
Skin corrosion or irritation
Serious eye damage or eye irritation

SARA 302 : This material does not contain any components with a section 302 EHS TPQ.

SARA 313 : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Clean Air Act

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCMIs or Final VOC's (40 CFR 60.489).

Clean Water Act

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

Massachusetts Right To Know

No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know

68585-34-2

Poly(oxy-1,2-ethanediyl),
sulfo-.omega.-hydroxy-,
ethers, .alpha.-
C10-16-alkyl

68891-38-3 sodium salts
Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-, C12-14-alkyl ethers, sodium salts

9004-82-4 Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-(dodecyloxy)-, sodium salt (1:1)

California Prop 65 : This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

The components of this product are reported in the following inventories:

TSCA : On TSCA Inventory

DSL : All components of this product are on the Canadian DSL : On the inventory, or in compliance with the inventory

AICS : Not in compliance with the inventory

NZIoC : Not in compliance with the inventory

ENCS : On the inventory, or in compliance with the inventory

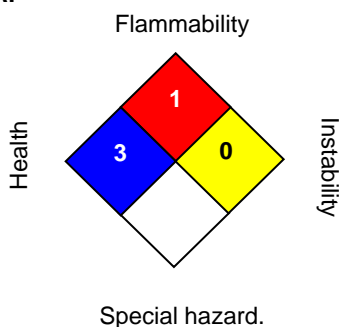
KECI : On the inventory, or in compliance with the inventory

PICCS : On the inventory, or in compliance with the inventory

IECSC : On the inventory, or in compliance with the inventory

16. OTHER INFORMATION

NFPA:



HMIS III:

HEALTH	3/
FLAMMABILITY	1
PHYSICAL HAZARD	0

0 = not significant,
1 =Slight,
2 = Moderate,
3 = High
4 =Extreme, * = Chronic

Information contained herein is provided in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.