

Material Safety Data Sheet (MSDS) for Polystyrene Labsa-Sulfonic Acid

1 Product and Company Identification

Material name	LABSA
Revision date	16-01-2017
Chemical class	Alkylbenzenesulfonic acid
Manufacturer	basekim kimyasal urunler

Cas No.

2. Hazards Identification

HSNO Hazard Classification No Data

Emergency overview
DANGER
Corrosive. Causes skin and eye burns. Harmful if swallowed.

Potential health effects

Eyes

Causes eye burns. Risk of serious damage to eyes. Do not get this material in contact with eyes.

Skin

Causes skin burns. Do not get this material in contact with skin.

Inhalation

Causes burns. Prolonged inhalation may be harmful.

Ingestion

Do not breathe dust/fume/gas/mist/vapors/spray.
May be harmful if swallowed. Components of the product may be absorbed into the body by ingestion. Ingestion may produce burns to the lips, oral cavity, upper airway, esophagus and possibly the digestive tract. Do not ingest.

3. Composition / Information on Ingredients

Components	Percent
Alkyl(C10-16)benzenesulfonic acid	>= 96
Sulfuric acid	0 – 2
Alkyl(C10-16)benzene	0 – 2

First Aid Measures

First aid procedures

Eye contact

Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician or poison control center immediately.

Skin contact

Take off immediately all contaminated clothing. Immediately flush skin with plenty of water. Call a physician or poison control center immediately. Chemical burns must be treated by a physician. For minor skin contact, avoid spreading material on

Inhalation

unaffected skin. Wash contaminated clothing before reuse.

Move to fresh air. Oxygen or artificial respiration if needed. Do not use mouth-to-mouth method if victim inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Get medical attention immediately.

Ingestion

Call a physician or poison control center immediately. Rinse mouth thoroughly. Do not induce vomiting without advice from poison control center.

Notes to physician

In case of shortness of breath, give oxygen. Keep victim warm. Keep victim under observation.

General advice

Symptoms may be delayed.

Show this safety data sheet to the doctor in attendance. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5. Fire Fighting Measures

Flammable properties

Not flammable by OSHA criteria. Not combustible by OSHA criteria.

Extinguishing media

Suitable extinguishing media

Unsuitable extinguishing media

Dry chemical, foam, carbon dioxide, water fog.

Water. Do not use water jet as an extinguisher, as this will spread the fire.

Protection of firefighters

Specific hazards arising from the chemical

Protective equipment and precautions for firefighters

During fire, gases hazardous to health may be formed.

Move containers from fire area if you can do so without risk.

Specific methods

Use standard firefighting procedures and consider the hazards of other involved materials.

6. Accidental Release Measures

Personal precautions

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the MSDS.

Environmental precautions

Avoid release to the environment. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid discharge into drains, water courses or onto the ground.

Methods for containment

Eliminate all ignition sources (no smoking, flares,

Methods for cleaning up	<p>sparks, or flames in immediate area). Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Collect spillage. Prevent entry into waterways, sewer, basements or confined areas.</p> <p>Ventilate the contaminated area. Extinguish all flames in the vicinity. Wear appropriate protective equipment and clothing during clean-up. Should not be released into the environment. Prevent product from entering drains.</p> <p>Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Do not allow material to contaminate ground water system. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal.</p> <p>Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.</p> <p>Never return spills to original containers for re-use. This material and its container must be disposed of as hazardous waste. For waste disposal, see section 13 of the MSDS.</p>
7. Handling and Storage	
Handling	<p>Do not breathe dust/fume/gas/mist/vapors/spray. Do not get this material in contact with eyes. Do not get this material in contact with skin. Do not handle until all safety precautions have been read and understood. Wear positive pressure self-contained breathing apparatus (SCBA). Wear personal protective equipment. Wash thoroughly after handling. Avoid release to the environment.</p>
Storage	<p>Store in a closed container away from incompatible materials. Store in a well-ventilated place. Keep container dry. Store away from incompatible materials (see Section 10 of the MSDS).</p>
8. Exposure Controls / Personal Protection	
Engineering controls	<p>Ensure adequate ventilation, especially in confined areas. Eye wash facilities and emergency shower must be available when handling this product.</p>
Personal protective equipment	
General	<p>Use personal protective equipment as required.</p>
Eye / face protection	<p>Wear safety glasses with side shields (or goggles) and a face shield.</p>
Skin protection	<p>Do not get this material in contact with skin. Wear appropriate chemical resistant clothing. Wear protective gloves.</p> <p>In case of insufficient ventilation, wear suitable</p>

Respiratory protection

respiratory equipment. Do not breathe dust/fume/gas/mist/vapors/spray.

General hygiene considerations

When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical & Chemical Properties

Color

Light brown

Physical state

Liquid.

Form

Viscous. Liquid.

pH

< 1 as is

Freezing point

-5.8 °F (-21 °C)

Flash point

> 201 °F (> 93.9 °C)

Flammability limits in air,

NOT APPLICABLE.

upper, % by volume

Specific gravity

1.03 (@ 25 C)

Pour point

-0.4 °F (-18 °C)

Viscosity

1500 cps (@ 25 C)

Percent volatile

NIL

10. Stability & Reactivity

Chemical stability

Material is stable under normal conditions.

Conditions to avoid

Heat, flames and sparks. Reacts violently with strong alkaline substances. This product may react with reducing agents. Contact with incompatible materials.

Incompatible materials

This product may react with reducing agents.

Hazardous decomposition products

Incompatible with bases

Possibility of hazardous reactions

Upon decomposition, this product may yield sulfur dioxide and oxides of sulfur.

No dangerous reaction known under conditions of normal use.

11. Toxicological Information

Toxicological data

Product
Sulfocid

Test Results

Acute Dermal LD50 Rabbit: > 2000 mg/kg
Acute Oral LD50 Rat: 500 - 2000 mg/kg

Sensitization
Acute effects
Local effects
Carcinogenicity

Not classified.
Causes burns
Causes severe burns.
IARC Category 1: Strong inorganic acid mists containing sulfuric acid.
Corrosive effects.

Skin corrosion/irritation

Mutagenicity

No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Reproductive effects

This product is not expected to cause reproductive or developmental effects.

12. Ecological Information

Ecotoxicological data
Product

Test Results

Sulfocid

EC50 Algae: 47.3 mg/l 72 hours
EC50 Daphnia: 2.4 mg/l 48 hours
LC50 Fish: 1.67 mg/l 96 hours

Persistence / degradability
Bioaccumulation /
Accumulation
Mobility in environmental media

Readily biodegradable.
No data available.

No data available for this product.

13. Disposal Considerations

Waste codes

The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Disposal instructions

Dispose of contents/container (in accordance with related regulations).

Waste from residues / unused products

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging

Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

DOT
UN number
UN proper shipping name

UN3265
Corrosive liquid, acidic, organic, N.O.S. (Alkylbenzene sulfonic acid, Sulfuric acid RQ = 76336 LBS)

Subsidiary risk
Packing group
Special precautions for user

Transport hazard class(es) Class

-

II

Read safety instructions, SDS and emergency procedures before handling

14. Transport Information

Notes

Refer to bill of lading or container label for DOT or other transportation hazard classification, if any.

15. Regulatory Information

US federal regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication

16. Other Information

Recommended restrictions
HMIS® ratings

For industrial use only.

Health: 3*

Flammability: 1

Physical hazard: 1

Personal protection: X

NFPA ratings

Health: 3

Flammability: 1

Instability: 1

Disclaimer

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