

1. Product and Company Identification

Material name **Sulfonic Acid 96**
Revision date 12-01-2020
Chemical class Alkyl benzene Sulfonic acid
Manufacturer Aras Petro Chemical Co.
www.petroacc.com

Cas No. 68584-22-5

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

4. 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	Dry chemical, foam, carbon dioxide, water fog.
Unsuitable extinguishing media	Water. Do not use water jet as an extinguisher, as this will spread the fire.
Protection of firefighters	
Specific hazards arising from the chemical	During fire, gases hazardous to health may be formed.
Protective equipment and precautions for firefighters	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,

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.

Methods for cleaning up

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.

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. Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

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.

7. Handling and Storage

Handling

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.

Storage

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).

8. Exposure Controls / Personal Protection

Engineering controls

Ensure adequate ventilation, especially in confined areas. Eye wash facilities and emergency shower must be available when handling this product.

Personal protective equipment

General

Use personal protective equipment as required.

Eye / face protection

Wear safety glasses with side shields (or goggles) and a face shield.

Skin protection

Do not get this material in contact with skin. Wear appropriate chemical resistant clothing. Wear protective gloves.

Respiratory protection

In case of insufficient ventilation, wear suitable

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, upper, % by volume	NOT APPLICABLE.
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. Incompatible with bases
Hazardous decomposition products	Upon decomposition, this product may yield sulfur dioxide and oxides of sulfur.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.

11. Toxicological Information

Toxicological data



Product	Test Results
Sulfocid	Acute Dermal LD50 Rabbit: > 2000 mg/kg Acute Oral LD50 Rat: 500 - 2000 mg/kg
Sensitization	Not classified.
Acute effects	Causes burns
Local effects	Causes severe burns.
Carcinogenicity	IARC Category 1: Strong inorganic acid mists containing sulfuric acid.
Skin corrosion/irritation	Corrosive effects.
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	Test Results
Product	
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	Readily biodegradable.
Bioaccumulation / Accumulation	No data available.
Mobility in environmental media	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	UN3265
UN proper shipping name	Corrosive liquid, acidic, organic, N.O.S. (Alkylbenzene sulfonic acid, Sulfuric acid RQ = 76336 LBS)

Transport hazard class(es)
Class



Subsidiary risk
Packing group
Special precautions for user

-
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

Terms and Conditions. This MSDS is designed only as guidance for the products to which it applies. To the greatest extent permitted by applicable law, nothing contained herein creates any legal obligation including contractual obligations, expressed or implied warranties, including any warranties of merchantability or fitness for particular purpose; or confers any intellectual property rights, including rights to use trademarks or a license to use patents, issued or pending. The information contained herein is based on the manufacturer's own study and the work of others, and is subject to change at any time without further notice. There is no warranty, expressed or implied, as to the accuracy, completeness or adequacy of the information contained herein, and neither the provider nor the manufacturer (nor the agents, directors, officers, contractors or employees of either) are liable to any party for any damages of any nature, including direct, special or consequential damages arising out of or in connection with the accuracy, completeness, adequacy or furnishing of any information in this MSDS, or in any other way related (directly or indirectly) to this MSDS. The receipt and use of this information constitutes consent to these terms and conditions.

Issue date

12-01-2020