

1. Product and Company Identification

Material name	Sulfocid 97
Revision date	02-08-2020
Chemical class	Alkylbenzenesulfonic acid
Manufacturer	Padideh Shimi Gharb Co. No.5.21rd St, Vozara St, Argentina Sq, Tehran, Iran +98-21-43413000

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. Do not breathe dust/fume/gas/mist/vapors/spray.
Ingestion	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(C10-13)benzenesulfonic acid	>= 97
Sulfuric acid	0 – 2
Alkyl(C10-13)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 unaffected skin. Wash contaminated clothing

Inhalation

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. Symptoms may be delayed.

General advice

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

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, 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

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

Readily biodegradable.

Bioaccumulation /

No data available.

Accumulation

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.

Transport hazard class(es)

8

Class

-

Subsidiary risk

II

Packing group

Read safety instructions, SDS and emergency procedures before handling

Special precautions for user

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

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Issue date

05-12-2014