



Material Safety Data Sheet

BEHDASH CHEMICAL COMPANY

Name:

Code:

1- Identification

Behdacid L®

Product Name: Alkyl benzene sulfonic acid

Code: MHOSP446047 - Rev: 03

Information Company: BEHDASH CHEMICAL CO.

Address: No. 49, VardAvard Blvd, Makhsous Rd, Tehran, Iran

P. O. Box: 1398163171

Tel Number: (+98 21)47696

Fax Number: (+98 21)44993211

www.BehdashCo.com

2- Hazards Identification

Emergency overview: DANGER

corrosive

may be corrosive . may be corrosive to eyes.Harmful if swallowed.

Potential health effects

Eyes : May be corrosive to eyes.

Skin: May be corrosive to skin.

Inhalation : Can cause severe respiratory irritation.

Ingestion : Ingestion of corrosive acids may result in moderately severe burns to mouth and esophagus with more severe burns and damage to the stomach.May be harmful if swallowed

4- Composition / Information on Ingredients

| Components | CAS# | Perent |
|-----------------------------|------------|--------|
| Alkyl benzene sulfonic acid | 68584-22-5 | <96 |
| Alkyl benzene | 68648-87-3 | <2 |
| sulfonic acid | 7664-93-9 | <1.8 |

5- First-Aid Measures

First aid procedures

Eye contact: Immediately flush eyes with plenty of water for at least 15 minutes.Get medical

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attention immediately.

Skin contact: For skin contact flush with large amounts of water. Get medical attention if irritation develops or persists. Immediately take off all contaminated clothing. Wash clothing separately before reuse.

Inhalation: If symptoms are experienced, remove source of contamination or move victim to fresh air. If symptoms persist get medical attention. If the affected person is not breathing, apply artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

Ingestion: If material is ingested, immediately contact a physician or poison control center. Do NOT induce vomiting.

6- Fire-Fighting Measure

Extinguishing media: Water fog. Foam. Dry chemical powder. Carbon dioxide (CO₂).

Suitable extinguishing Media
Use water to cool fire-exposed containers and to protect personnel

Protection of firefighters

Protective equipment and

precautions for firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

7- Accidental release measures

Personal precautions: Isolate area. Keep unnecessary personnel away. Stay upwind. Keep out of low areas. Ventilate closed spaces before entering.

Environmental precautions: Prevent further leakage or spillage if safe to do so.

Methods for containment: Prevent entry into waterways, sewers, basements or confined areas.

Methods for cleaning up: Wear appropriate protective equipment and clothing during clean-up.

Small Spills: Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal.

Large Spills: Dike far ahead of liquid spill for later disposal.

8- Handling and Storage

Handling: Avoid contact with skin and eyes. Wash hands thoroughly after handling.

Storage: Store in cool place. Keep the container in a well-ventilated place.

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9- Exposure Controls/Personal Protection

Engineering controls: Use general ventilation. Local exhaust is suggested for use, where possible, in enclosed or confined spaces

Personal protective equipment

General: Eye wash fountain and emergency showers are *recommended*

Eye / face protection Wear chemical goggles. Face-shield.

Skin protection: Wear suitable protective clothing. Use impervious gloves

Respiratory protection: If ventilation is not sufficient to effectively prevent buildup of aerosols or vapors, appropriate NIOSH/MSHA respiratory protection must be provided.

10- Physical and Chemical Properties

| | |
|---|-----------------------------------|
| Physical state: | Liquid. |
| Form: | Liquid. |
| pH : | < 1 as is |
| Flash point : | > 201 °F (> 93.9 °C) |
| Evaporation rate : | Estimated slower than ethyl ether |
| Flammability limits in air, upper, % by volume. | NOT APPLICABLE. |
| Vapor pressure: | Not Determined or Unknown |
| Vapor density : | Estimated heavier than air |

11- Stability and Reactivity

Chemical stability: Stable at normal conditions.

Incompatible materials: Strong oxidizing agents This product may react with strong alkalies.

Hazardous decomposition: Upon decomposition, this product may yield sulfur dioxide and oxides of sulfur. Sulfuric acid
products

Possibility of hazardous: Will not occur

Reactions

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Rev:



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12- Toxicological information

Not available

13- Ecological Information

Ecotoxicological data

| Test Results | Product |
|---|----------------------------|
| LC50 Fish: 1 - 10 mg/l Test Results | Behdacid L Components |
| EC50 Water flea (Ceriodaphnia dubia): 4.66 - 6.83 mg/l 48 Hours | _Alkylbenzenesulfonic acid |

Estimates for product may be based on additional component data not shown.

14- Disposal considerations

Disposal instructions : All wastes must be handled in accordance with local, state and federal regulations. Contract with a disposal operator licensed by the Law on Disposal and Cleaning. Dispose in accordance with all applicable regulations. Dispose of contents/container in accordance with local/regional/national/international regulations. Regulations vary.

15- Transport Information

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

16- Regulatory Information

US federal regulations

US EPCRA (SARA Title III) Section 313 - Toxic Chemical: De minimis concentration

_Sulfuric acid (7664-93-9) 1.0 %

CERCLA (Superfund) reportable quantity

None

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Section 302 extremely

hazardous substance No

Section 311 hazardous No

Code:

Rev:



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Chemical

17- Other Information

Further information: HMIS® is a registered trade and service mark of the NPCA.

HMIS® ratings: Health: 3
Flammability: 1
Personal protection:

NFPA ratings: X Health: 3
Flammability: 1
Instability: 0

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