MATERIAL SAFETY DATA SHEET
NAPHTHALENE-2-SULPHONIC ACID

1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MSDS Name: Naphthalene-2-sulphonic acid
Synonyms: 2-Naphthalenesulfonic acid
Company Identification: Sisco Research Laboratories Pvt. Ltd.
Andheri (East), Mumbai – 400 099.
Tel : +91 22 2687 2601
Fax : +91 22 2687 8241
Website : www.srlchem.com

2 - COMPOSITION, INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>CAS#</th>
<th>Chemical Name:</th>
<th>%</th>
<th>EINECS#</th>
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</thead>
<tbody>
<tr>
<td>120-18-3</td>
<td>Naphthalene-2-sulphonic acid</td>
<td>min 98%</td>
<td>204-375-3</td>
</tr>
</tbody>
</table>

3 - HAZARDS IDENTIFICATION

Risk advice to man and the environment
Causes severe burns.

4 - FIRST AID MEASURES

General advice: Consult a physician. Show this safety data sheet to the doctor in attendance.

Eyes: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

Skin: Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician.

Ingestion: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Inhalation: If breathed in, move person into fresh air. If not breathing give artificial respiration Consult a physician.

Notes to Physician:

5 - FIRE FIGHTING MEASURES

Extinguishing Media
Suitable: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special Protective Equipment For Firefighters: Wear self contained breathing apparatus for fire fighting if necessary.
### 6 - ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Use personal protective equipment. Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation. Evacuate personnel to safe areas.

**Environmental precautions:** Do not let product enter drains.

**Methods for cleaning up:** Pick up and arrange disposal without creating dust. Keep in suitable, closed containers for disposal.

### 7 – HANDLING AND STORAGE

**Handling:** Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

**Storage:** Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Hygroscopic.

### 8 – EXPOSURE CONTROLS, PERSONAL PROTECTION

**Engineering Controls:**

**General Hygiene Measures:**

**Personal Protective Equipment**

**Respiratory Protection:** Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Hand Protection:** The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. Handle with gloves.

**Eye Protection:** Face shield and safety glasses

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

**Hygiene measures** Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

### 9 - PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** Solid

**Appearance:** white to off-white

**Melting Point:** 122°C -125°C

**Molecular Formula:** C₁₀H₈O₃S

**Molecular Weight:** 226.25
10 - STABILITY AND REACTIVITY

Storage stability: Stable under recommended storage conditions.
Hazardous decomposition Products: Hazardous decomposition products formed under fire conditions. - Carbon oxides, Sulphur oxides.

11 - TOXICOLOGICAL INFORMATION

Acute toxicity: No data available
Irritation and corrosion: No data available
Sensitisation: No data available
Chronic exposure: 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.

Potential Health Effects

Inhalation: May be harmful if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract.

Skin: May be harmful if absorbed through skin. Causes severe skin burns.

Eyes: Causes severe eye burns.

Ingestion: May be harmful if swallowed. Causes severe burns.

Target Organs: Cardiovascular system., Teeth., Lungs

12 - ECOLOGICAL INFORMATION

No data available.

13 - DISPOSAL CONSIDERATIONS

Product: Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Contaminated packaging: Dispose of as unused product.

14 - TRANSPORT INFORMATION

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<th>IATA</th>
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<th>RID/ADR</th>
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<td>Arylsulphonic Acid, Solid</td>
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15 - REGULATORY INFORMATION

Hazard symbols: C Corrosive
R-phrase(s): R35 Causes severe burns.
S-phrase(s): S22 Do not breathe dust. S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S36/37/39 Wear suitable protective clothing, gloves and eye/face protection. S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). S60 This material and its container must be disposed of as hazardous waste.

Hazardous components which must be listed on the label:
120-18-3 naphthalene-2-sulphonic acid

16 - ADDITIONAL INFORMATION

SISCO RESEARCH LABORATORIES provides the information contained herein 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.