MATERIAL SAFETY DATA SHEET  
NAPHTHOL AS-PHOSPHATE

1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

<table>
<thead>
<tr>
<th>MSDS Name:</th>
<th>Naphthol AS-Phosphate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Synonyms:</td>
<td>None</td>
</tr>
<tr>
<td>Company Identification:</td>
<td>Sisco Research Laboratoires Pvt. Ltd.</td>
</tr>
<tr>
<td>Tel:</td>
<td>+91 22 2687 2601</td>
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<td>Fax:</td>
<td>+91 22 2687 8241</td>
</tr>
<tr>
<td>Website:</td>
<td><a href="http://www.srlchem.com">www.srlchem.com</a></td>
</tr>
</tbody>
</table>

2 - COMPOSITION, INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>CAS#</th>
<th>Chemical Name:</th>
<th>%</th>
<th>EINECS#</th>
</tr>
</thead>
<tbody>
<tr>
<td>13989-98-5</td>
<td>Naphthol AS-Phosphate</td>
<td>99%</td>
<td>237-789-8</td>
</tr>
</tbody>
</table>

3 - HAZARDS IDENTIFICATION

Special Indication Of Hazards To Humans And The Environment  
Irritating To Eyes, Respiratory System And Skin.

4 - FIRST AID MEASURES

**Eyes:**  
In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes.

**Skin:**  
In case of contact, immediately wash skin with soap and copious amounts of water.

**Ingestion:**  
If swallowed, wash out mouth with water provided person is conscious. Call a physician.

**Inhalation:**  
If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

**Notes to Physician:**

5 - FIRE FIGHTING MEASURES

**Extinguishing Media**  
Suitable: Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.

**Specific Hazard(s):**  
Emits toxic fumes under fire conditions.

**Special Protective Equipment For Firefighters:**  
Wear self-contained breathing apparatus and protective Clothing to prevent contact with skin and eyes.

6 - ACCIDENTAL RELEASE MEASURES

**Procedure(S) Of Personal Precaution(S):**  
Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves.
Methods For Cleaning Up: Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

7 – HANDLING AND STORAGE

Handling: Do not breathe dust. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.

Storage: Keep tightly closed. Store at 2-8°C.

8 – EXPOSURE CONTROLS, PERSONAL PROTECTION

Engineering Controls: Safety shower and eye bath. Mechanical exhaust required.

General Hygiene Measures: Wash thoroughly after handling.

Personal Protective Equipment

Respiratory Protection: Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Where risk assessment shows air-purifying respirators are appropriate use a dust mask type N95 (US) or type P1 (EN 143) respirator.

Hand Protection: Compatible chemical-resistant gloves.

Eye Protection: Chemical safety goggles.

9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Solid

Molecular Formula: C_{17}H_{14}NO_{5}P

Molecular Weight: 343.30

10 – STABILITY AND REACTIVITY

Materials to Avoid: Strong oxidizing agents.

Hazardous Decomposition Products: Carbon monoxide, Carbon dioxide, Nitrogen oxides, Phosphorous oxides.

Hazardous Polymerization: Will not occur

11 – TOXICOLOGICAL INFORMATION

Signs And Symptoms Of Exposure: To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Route Of Exposure

Skin Contact: Causes skin irritation.

Skin Absorption: May be harmful if absorbed through the skin.

Eye Contact: Causes eye irritation.

Inhalation: May be harmful if inhaled. Material is irritating to mucous membranes and upper respiratory tract.

Ingestion: May be harmful if swallowed.
Conditions Aggravated
By Exposure

The toxicological properties have not been thoroughly investigated.

12 - ECOLOGICAL INFORMATION

No data available.

13 - DISPOSAL CONSIDERATIONS

Substance Disposal: 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. Observe all federal, state, and local environmental regulations.

14 - TRANSPORT INFORMATION

<table>
<thead>
<tr>
<th>IATA</th>
<th>IMO</th>
<th>RID/ADR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-hazardous</td>
<td>Non-hazardous</td>
<td>Non-hazardous</td>
</tr>
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</table>

15 - REGULATORY INFORMATION

Classification And Labeling According To Eu Directives

R-Phrases: 36/37/38 Irritating to eyes, respiratory system and skin.
S-Phrases: 26-36 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing.

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.