Material Safety Data Sheet

Alpha-Naphthalene acetic acid (NAA)

1: Chemical Product and Company Identification

Product Name: Alpha-Naphthalene acetic acid (NAA)
Catalog Code: 30631016-1, 30631016-2, 30631016-3
CAS#: 86-87-3

Contact information:
biowORLD
4150 Tuller Rd
Suite 228, Dublin, OH 43017, USA
For information, call: 614-792-8680
Fax Number: 614-792-8685
Order Online: www.bio-world.com
E-mail: save@bio-world.com

In case of a chemical emergency, contact local hospital.
For non-emergency assistance, call: 1-800-860-9729

2: Composition and Information on Ingredients

Composition:

<table>
<thead>
<tr>
<th>Name</th>
<th>CAS#</th>
<th>% by Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alpha-Naphthalene acetic acid (NAA)</td>
<td>86-87-3</td>
<td></td>
</tr>
</tbody>
</table>

Toxicological Data on Ingredients:

LD$_{50}$ (Oral, Rat): 1000 mg/kg.

3: Hazards Identification

Potential Acute Health Effects: Harmful if swallowed. Causes irritation to skin, eyes and mucous membranes.

Potential Chronic Health Effects:

CARCINOGENIC EFFECTS: Not available.
MUTAGENIC EFFECTS: Not available.
### 4: First Aid Measures

**Eye Contact:** Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get immediate medical attention.

**Skin Contact:** Immediately flush with plenty of water. If irritation persists, get medical attention.

**Serious Skin Contact:** Not available.

**Inhalation:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if symptoms persist.

**Serious Inhalation:** Not available.

**Ingestion:** If swallowed, if conscious, give one or two glasses of water to drink, induce vomiting and call physician. Never give anything by mouth to an unconscious person.

**Serious Ingestion:** Not available.

### 5: Fire and Explosion Data

**Flammability of the Product:** May be combustible at high temperature.

**Auto-Ignition Temperature:** Not available.

**Flash Points:** > 174 °C (345 °F)

**Flammable Limits:** Not available.

**Product of Combustion:** Combustion will produce carbon dioxide and probably carbon monoxide.

**Fire Hazards in Presence of Various Substances:** Not available.

**Explosion Hazards in Presence of Various Substances:** Not available.

**Fire Fighting Media and Instructions:**

- **SMALL FIRE:** Dry chemical powder.
- **LARGE FIRE:** Water spray, carbon dioxide, dry chemical powder.

**Special Remarks on Fire Hazards:** Fire or excessive heat may produce hazardous decomposition products.

**Special Remarks on Explosion Hazards:** Not available.

### 6: Accidental Release Measures

**Small Spill:** Recover for use if not contaminated. Wearing suitable protective clothing, sweep up material and place in fiber carton for disposal, and incinerate. Wash spill area well with soap and water.

**Large Spill:** Not available.

### 7: Handling and Storage

**Precautions:** Wash thoroughly after handling. Do not get in eyes, on skin, on clothing. Avoid breathing dust. Remove and
8: Exposure Controls/Personal Protection

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

**Personal Protection:** Respiratory: Government approved respirator. 
Hand: Chemical resistant gloves. 
Eye: Safety glasses.

**Personal Protection in Case of a Large Spill:** Splash goggles. Full suit. Boots. Dust respirator. Gloves.

**Exposure Limits:** Not available.

9: Physical and Chemical Properties

**Physical State and Appearance:** Crystalline powder.

**Odor:** Odorless.

**Taste:** Not available.

**Molecular Weight:** 186.2 g/mole.

**Color:** White to cream.

**pH(1% soln/water):** Not available.

**Boiling Point:** >218 °C (424 °F)

**Melting Point:** 127-132 °C (260-269 °F)

**Critical Temperature:** Not available.

**Specific Gravity:** Not available.

**Vapour Pressure:** Negligible.

**Vapor Density:** Not available.

**Volatile:** Not available.

**Odor Threshold:** Not available.

**Water/Oil Dist. Coeff:** Not available.

**Ionicity (in Water):** Not available.

**Dispersion Properties:** Not available.

**Solubility:** Not available.

10: Stability and Reactivity Data

**Stability:** Stable.

**Instability Temperature:** Not available.
Conditions of Instability: Excessive temperature and heat.

Incompatibility with various substances: Strong oxidizing materials.

Corrosivity: Not available.

Special Remarks on Reactivity: Not available.

Special Remarks on Corrosivity: Not available.

Polymerization: Will not occur.

11: Toxicological Information

Routes of Entry: Skin contact. Eye contact.

Toxicity to Animals:

LD$_{50}$ (Oral, Rat): 1000 mg/kg.

Chronic Effects on Humans: Not available.

Other Toxic Effects on Humans: Skin Contact: May cause skin irritation. Skin Absorption: May be harmful if absorbed through the skin. Eye Contact: May cause eye irritation. Inhalation: May be harmful if inhaled. Material may be irritating to mucous membranes and upper respiratory tract. Ingestion: May be harmful if swallowed.

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Not available.

Special Remarks on other Toxic Effects on Humans: Not available.

12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Product of Biodegradation: Not available.

Toxicity of the Products of Biodegradation: Not available.

Special Remarks on the Products of Biodegradation: Not available.

13: Disposal Considerations

Waste Disposal: Waste must be disposed of in accordance with federal, state and local environmental control regulations.

14: Transport Information

DOT Classification: Not a DOT controlled material.
Identification: Not available.

Special Provisions for Transport: Not available.

15: Other Regulatory Information

Federal and State Regulations: TSCA 8(b) inventory: No products were found.

Other Regulations: Not available.

Other Classifications:

WHMIS (Canada): Not available.

DSCL (EEC): Not available.

HMIS (U.S.A): 

Health Hazard: 1

Fire Hazard: 1

Reactivity: 1

Personal Protection:

National Fire Protection Association (U.S.A): 

Health: 1

Flammability: 1

Reactivity: 1

Specific hazard:


16: Other Information

References: Not available.

Other Special Considerations: Not available.

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