Section 1 - Product and Company Information

Product Name: Sodium phosphate monobasic
Product Number: 50751
Brand: Sigma-Aldrich
Company: Sigma-Aldrich
Street Address: 3000 Spruce Street
City, State, Zip: SAINT LOUIS, MO 63103 US
Technical Phone: 800-325-5832
Fax: 800-325-5052
Emergency Phone: 314-776-6555

Section 2 - Composition/Information on Ingredient

<table>
<thead>
<tr>
<th>Substance Name</th>
<th>CAS #</th>
<th>SARA 313</th>
<th>EC no</th>
<th>Annex I Index Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>SODIUM HYDROGEN PHOSPHATE ANHYDROUS</td>
<td>7558-80-7</td>
<td>No</td>
<td>231-449-2</td>
<td></td>
</tr>
</tbody>
</table>

Formula: NaH2PO4
Synonym: Monosodium hydrogen phosphate, Monosodium phosphate, Monosob XP-4, Primary sodium phosphate, Sodium acid phosphate, Sodium biphosphate, Sodium biphosphate anhydrous, Sodium phosphate, monobasic

Section 3 - Hazards Identification

HMS Rating
Health: 0
Flammability: 0
Reactivity: 1

NFPA Rating
Health: 0
Flammability: 0
Reactivity: 1

For additional information on toxicity, please refer to Section 11.

Section 4 - First Aid Measures

Oral Exposure
If swallowed, wash out mouth with water provided person is conscious. Call a physician.

Inhalation Exposure
If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

Dermal Exposure
In case of contact, immediately wash skin with soap and copious amounts of water.

Eye Exposure
In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

Section 5 - Fire Fighting Measures

Autoignition Temp: N/A

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

Firefighting
Protective Equipment
Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

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

Section 6 - Accidental Release Measures

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.

Section 7 - Handling and Storage

Handling
User Exposure
Avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.

Storage
Suitable: Keep tightly closed.

Special Requirements
Hygroscopic

Section 8 - Exposure Controls / PPE

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

Personal Protective Equipment
Respiratory
Wear dust mask.
Hand
Protective gloves.
Eye
Chemical safety goggles.

Section 9 - Physical/Chemical Properties

Appearance
Physical State: Solid
Color: White
Form: Powder

Sigma-Aldrich - 50751
Page 2
Sigma-Aldrich Corporation
www.sigma-aldrich.com
**Ingestion**
May be harmful if swallowed.

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

**RTECS Number:** WA800000

**Toxicity Data**
- Oral: Rat 8490 mg/kg (LD50)
- Intramuscular: Rat 1950 mg/kg (LD50)

**Irritation Data**
- Eyes - Human: 50 mg
  Remarks: Mild irritation effect
- Eyes - Rabbit: 150 mg
  Remarks: Mild irritation effect

**Section 12 - Ecological Information**
No data available.

**Section 13 - Disposal Considerations**
Appropriate Method of Disposal of Substance or Preparation
Contact a licensed professional waste disposal service to dispose of this material.
Disperse 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.

**Section 14 - Transport Information**

**DOT**
- Proper Shipping Name: None
- Non-Hazardous for Transport: This substance is considered to be non-hazardous for transport.

**IATA**
- Non-Hazardous for Air Transport: Non-hazardous for air transport.

**Section 15 - Regulatory Information**
- United States Regulatory Information
- SARA Listed: No
- TSCA Inventory Item: Yes
- Canada Regulatory Information
  - WHMIS Classification
    This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.
    - DSL: Yes
    - NDSL: No

**Section 16 - Other Information**

**Disclaimer**
For R&D or manufacturing use. Not for prescription compound or other uses.

**Warranty**
The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate