

SECTION 1: Identification of Substance/mixture and of the manufacturer

1.1 - Product Identifier

Product Form	: Solid, white powder
Product Name	: Sodium phosphate monobasic, Anhydrous
CAS No.	: 7558 – 80 - 7
Product Code	: N/A
Formula	: NaH_2PO_4
Synonyms	: Sodium phosphate monobasic; sodium dihydrogen phosphate; Monosodium Dihydrogen Phosphate; Monosodium Hydrogen Phosphate; Monosodium Orthophosphate, Phosphoric Acid, Monosodium Salt

1.2 - Supplier Details

Aarti Phosphates
N – 43, Anand nagar MIDC, Additional ambarnath
Industrial area, Ambarnath east - 421506
T +917385292480, +917666877778
Office: 0251 – 2621880
Email: info@aartiphosphates.com
www.aartiphosphates.com/www.aartiphosphatesindia.com

1.3 Emergency Phone Number

For Chemical Emergency Spill, Leak, Fire, Exposure or Accident Call
Aarti Phosphates: +917385292480, inquiry@aartiphosphates.com

SECTION 2: Hazard Identification

Potential Acute Health Effects: Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation.

Potential Chronic Health Effects: CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. Repeated or prolonged exposure is not known to aggravate medical condition

SECTION 3: Composition

Composition:

Name : Sodium Phosphate Monobasic

CAS # : 7758 – 80 - 7

% by Weight: 100

Toxicological Data on Ingredients: Not Applicable

SECTION 4: First Aid

Eye Contact: Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention if irritation occurs.

Skin Contact: Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops. Cold water may be used.

Serious Skin Contact: Not available.

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

Serious Inhalation: Not available.

Ingestion: Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

Serious Ingestion: Not available.

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SECTION 5: Firefighting Measures

Flammability of the Product: Non-flammable.

Auto-Ignition Temperature: Not applicable.

Flash Points: Not applicable.

Flammable Limits: Not applicable.

Products of Combustion: Not Available

Fire Hazards in Presence of Various Substances: Not applicable.

Explosion Hazards in Presence of Various Substances:

Risks of explosion of the product in presence of mechanical impact: Not available.

Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions: Not applicable.

Special Remarks on Fire Hazards: Not Available

Special Remarks on Explosion Hazards: Not available

SECTION 6: Accidental Release Measures

Small Spill: Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Large Spill: Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

SECTION 7: Handling and Storage

Precautions: Do not ingest. Do not breathe dust. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as acids, alkalis.

Storage: Keep container tightly closed. Keep container in a cool, well-ventilated area.

SECTION 8: Exposure Control/Personal Protection

Engineering Controls: Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection: Safety glasses. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill: Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits: Not available

SECTION 9: Physical and Chemical Properties

Physical state and appearance: Solid. (solid crystalline powder)

Odor: Odorless.

Taste: Not available

Molecular Weight: 119.98 g/mole

Color: White.

pH : Not available

Boiling Point: Not Available

Melting Point: Not Available

Critical Temperature: Not available.

Specific Gravity: Not Available

Vapor Pressure: Not applicable.

Vapor Density: Not Available

Volatility: Not available.

Odor Threshold: Not available.

Water/Oil Dist. Coeff.: Not available.

Ionicity (in Water): Not available.

Dispersion Properties: See solubility in water.

Solubility: Easily soluble in hot water and cold water

SECTION 10: Stability and Reactivity

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Incompatible materials, excess heat, dust generation

Incompatibility with various substances: Reactive with acids, alkalis

Corrosivity: Non corrosive in presence of glass

Special Remarks on Reactivity: It is a neutralizing agent for acids and caustics. Also incompatible with magnesium and methenamine, and carbonates.

Special Remarks on Corrosivity: When wet, mild steel or brass may be corroded.

Polymerization: Will not occur

SECTION 11: Toxicological Information

Routes of Entry: Absorbed through skin. Inhalation. Ingestion.

Toxicity to Animals: Acute oral toxicity (LD50): 8290 mg/kg [Rat].

Chronic Effects on Humans: Not available.

Other Toxic Effects on Humans: Slightly hazardous in case of skin contact (irritant), of ingestion, of inhalation.

Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Not available

Special Remarks on other Toxic Effects on Humans: Acute Potential Health Effects: Skin: May cause skin irritation. Eye: Dust may cause eye irritation. Inhalation: It is considered a low hazard for usual industrial handling. Dust may cause respiratory tract irritation and may affect respiration (mechanically impede respiration). Ingestion: It is considered a low hazard for usual industrial handling and systemic reactions are unlikely when ingested (because they are slowly and

incompletely absorbed in the intestinal tract). The most frequently seen effect is gastrointestinal irritation with abdominal pain and cramping, vomiting, diarrhea. If a significant amount of phosphate is absorbed, the following may occur: mineral imbalance in the body, adversely affecting the osmotic pressure of body fluids resulting in hyperphosphatemia, hypocalcemia, hypomagnesemia. Severe hyperphosphatemia and hypocalcemia may result in tetany, seizures, severe dehydration, metabolic acidosis, hypernatremia, lethargy, and hyperpyrexia, carpal spasm, and possible. May also affect the cardiovascular system (hypotension, tachycardia, bradycardia, dysrhythmias). The estimated fatal dose is 50 grams. Chronic Potential Health Effects: No information was available.

SECTION 12: Ecological Information

Ecotoxicity: Not available

BOD5 and COD: Not available.

Products of Biodegradation: Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The product itself and its products of degradation are not toxic.

Special Remarks on the Products of Biodegradation: Not available.

SECTION 13: Disposal Considerations

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

SECTION 14: Transportation

DOT Classification: Not a DOT controlled material (United States).

Identification: Not applicable.

Special Provisions for Transport: Not applicable.

SECTION 15: Regulatory Information

Federal and State Regulations: Not Available

Other Regulations: EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

WHMIS (Canada): Not controlled under WHMIS (Canada).

DSCL (EEC): This product is not classified according to the EU regulations. Not applicable

HMIS (U.S.A.):

Health Hazard: 1

Fire Hazard: 0

Reactivity: 0

Personal Protection: E

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

Health: 1

Flammability: 0

Reactivity: 0

Specific hazard:

Protective Equipment: Gloves (impervious). Synthetic apron. Wear appropriate respirator when ventilation is inadequate. Safety glasses.

SECTION 16: Other Information

References: Not available. Other Special Considerations: Not available. Created: 26/06/2017 06:34 PM Last Updated: 01/06/2017 04:00 PM

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 safety precautions. It does not represent any guarantee of the properties of the product. Aarti phosphates and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product.

