

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

1.1 - Product Identifier

Product Form	: Solid, white fine powder
Product Name	: Potassium Phosphate Dibasic
CAS No.	: 7758 – 11 - 4
Product Code	: N/A
Formula	: K ₂ HPO ₄
Synonyms	: Di Potassium phosphate, Di potassium hydrogen Orthophosphate

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: Hazardous in case of eye contact (irritant), of ingestion. Slightly hazardous in case of skin contact (irritant), 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 : Potassium Phosphate Dibasic

CAS # : 7758 – 11 - 4

% by Weight: 100

Toxicological Data on Ingredients: Potassium phosphate dibasic LD50: Not available. LC50: Not available

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.

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. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

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.

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 applicable.

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 breathe dust. Avoid contact with eyes. Wear suitable protective clothing. If you feel unwell, seek medical attention and show the label when possible. Keep away from incompatibles such as oxidizing agents.

Storage: Hygroscopic Keep container tightly closed. Keep container in a cool, well-ventilated area. Do not store above 23°C (73.4°F).

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: Splash goggles. 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. (powder)

Odor: Odorless.

Taste: Not Available

Molecular Weight: 174.18 g/mole

Color: White.

pH (1% soln/water): 8.8 (basic)

Boiling Point: Not available

Melting Point: Decomposition temperature: > 465 ° C (869 ° F)

Critical Temperature: Not available.

Specific Gravity: 2.3 (Water = 1)

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 and cold water. Slightly soluble in alcohol

SECTION 10: Stability and Reactivity

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Moisture, incompatible materials

Incompatibility with various substances: Reactive with oxidizing agents

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity: Hygroscopic. Keep container tightly closed

Special Remarks on Corrosivity: Not available.

Polymerization: Will not occur

SECTION 11: Toxicological Information

Routes of Entry: Inhalation. Ingestion

Toxicity to Animals: LD50: Not available. LC50: Not available

Chronic Effects on Humans: Not available

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

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: Acute Potential Health Effects: Skin: Causes mild skin irritation. There is no significant skin irritation hazard for low level (usual) industrial handling or exposure Eyes: Causes eye irritation. Inhalation: Causes respiratory tract and mucous membrane irritation. There is no significant inhalation hazard for low level (usual) industrial handling or exposure. Ingestion: Phosphates are toxic because of their ability to sequester calcium, but they are slowly and incompletely absorbed when ingested, and seldom result in systemic effects. Furthermore, acute potassium poisoning by mouth is rare because large single doses usually induce vomiting and because in the absence of pre-existing kidney damage, potassium is rapidly excreted. However, such effects have occurred. Symptoms may include gastrointestinal tract irritation (gastroenteritis) with nausea, vomiting, abdominal discomfort, diarrhea. May affect behavior/central nervous system(somnolence, listlessness, mental confusion, convulsions), metabolism (anorexia), cardiovascular system (fall of blood pressure, cardiac arrhythmias, heart block), kidneys (polyuria, polydipsia). May cause mineral imbalance and affect osmotic pressure of body fluids. Other clinical signs and symptoms of oral overdosage may include: paresthesias of the extremities, weakness or heaviness of the legs, flaccid paralysis, cold skin, gray pallor.

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): R36- Irritating to eyes, S24/25- Avoid contact with skin and eyes.

HMIS (U.S.A.):

Health Hazard: 2

Fire Hazard: 0

Reactivity: 0

Personal Protection: E

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

Health: 2

Flammability: 0

Reactivity: 0

Specific hazard:

Protective Equipment: Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Splash goggles

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.

