

# MATERIAL SAFETY DATA SHEET

## 1. Product Identification

Chemical name : Mono Potassium Phosphate

Trade Name : Potassium Phosphate Mono Basic

Product supplier : Gujarat Agri-Chem Industries Private Limited, Plot No. 11, Survey No. 226, Subhlaxmi Industrial Estate, Opp. Golden Industrial Estate, Chhatral - Kadi road, Vill. Dhanot- 382729, Ta. Kalol, Dist. Gandhinagar, Gujarat, IN.

Telephone number emergencies : +91-8160644726

## 2. Composition / Information about dangerous components

Substances / Preparation : Substance.

Chemical Name	CAS Number	EG number	E-No.	R-sentences
KH <sub>2</sub> PO <sub>4</sub>	07778-77-0	-	-	-

## 3. Hazards Identification

Physical / Chemical Risks : Minimal.

Environmental Risks : Minimal

Health Risks : None

## 4. First Aid Measures

Effects and Symptoms

After swallowing : May cause nausea.

After inhalation	: May cause irritation.
After skin contact	: May cause irritation.
After eye contact	: May cause irritation.
General	: Irritation; some allergic reactions.

#### First Aid Measures

After swallowing	: If swallowed and person is conscious, immediately give large amounts of water. Get medical attention.
Inhalation	: If a person breathes in large amounts, move the exposed person to fresh air. Get Medical attention.
Skin contact	: Immediately wash with plenty of water and soap for at least 15 min.
Eye contact	: Immediately flush with plenty of water for at least 15 min. Get medical attention.

### 5. Fire Fighting Measures

#### Extinguishing agents

Suitable: Use extinguishing media, appropriate for surrounding fire.

Unsuitable : -

Specific measures : None

Unusual fire/explosion risks : None

Dangerous thermic decomposition and combustion products: Not known.

Protection of fire fighting crews: Self contained breathing apparatus must be used in fighting fires.

### 6. Accidental Release Measures

Personal protection measures : Protection of eyes.

Environmental protection measures : Avoid spills that could reach any water ways.

Cleaning methods : Sweep and remove

## 7. Handling and Storage

Handling : No specific requirements.

Storage : Avoid moisture.

Packing Measures Suitable :

## 8. Exposure Control and Personal Protection

Technical Exposure control :

Hygienic measures : Dust masks and clothing.

Upper professional exposure limits Chemical Name "TLV" (USA) : "MAK"(Germany) :

Personal protection measures

Breathing equipment : Dust masks.

Skin and body : Clothing

Hands : Gloves

Eyes : Safety glasses.

## 9. Physical and Chemical Properties:

Chemical Formula:  $\text{KH}_2\text{PO}_4$

Appearance : Crystals, powder.

Colour : White

Smell : No usual odor.

Boiling \ Melting point :

pH : 4.2 ~ 4.8 (as a 1% solution)

Solubility in water (g. / 100 g.  $\text{H}_2\text{O}$ ) : 14.8 @ 0 degrees C

25 @ 25 degrees C

40.8 @ 50 degrees C

83.5 @ 90 degrees C

## 10. Stability and Reactivity

Stability : Stable

Circumstances to be avoided : Avoid moisture

Substances to be avoided : Not known.

Dangerous decomposition products : Not known.

## 11. Toxicological Information

Chemical Name : Mono Potassium Phosphate

Acute toxicity

Oral – rat LD50 : 7,100 mg/kg; practically nontoxic

Dermal – rabbit LD50 : >7,940 mg/kg; practically nontoxic

Eye effects - rabbit : 10.0/110.0; slight irritating

Skin effects - rabbit: 0.0/8.0 (24 Hrs. Exp.); nonirritating.

## 12. Ecological Information

Ecological details of substance are not available. No algal or fish toxicity data available for this material.

## 13. Instructions for Disposal

Disposal methods : Dispose in accordance with all applicable Federal, State, and local environmental regulations.

#### 14. Transport Information

IMDG/UN: Not hazardous for transportation

ICAO/IATA: Not hazardous for transportation

RID/ADR: Not hazardous for transportation

Canadian TDG: Not hazardous for transportation

US DOT: Not hazardous for transportation

#### 15. Legally Required Information

EC Label

Hazard symbol: None

#### 16. Other Information

NFPA Ratings: Health: 1 Flammability: 0 Reactivity: 0

Label Hazard Warning:

CAUTION! MAY CAUSE IRRITATION TO SKIN, EYES, AND RESPIRATORY TRACT. MAY BE HARMFUL IF SWALLOWED OR INHALED.

Label Precautions:

Avoid contact with eyes, skin and clothing.

Wash thoroughly after handling.

Avoid breathing dust.

Keep container closed.

Use with adequate ventilation.

#### Label First Aid:

If inhaled, remove to fresh air. Get medical attention for any breathing difficulty. In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. Get medical attention if irritation develops or persists. If swallowed, give several glasses of water to drink to dilute. If large amounts were swallowed or symptoms occur, get medical advice. Never give anything by mouth to an unconscious person.

Our company provides this POTASSIUM PHOSPHATE MONOBASIC or MONOPOTASSIUM PHOSPHATE MSDS information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This POTASSIUM PHOSPHATE MONOBASIC or MONOPOTASSIUM PHOSPHATE MSDS 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.