



# MATERIAL SAFETY DATA SHEET

## Potassium pyrophosphate MSDS

### Section 1: Chemical Product and Company Identification

<b>Product Name:</b>	Potassium pyrophosphate
<b>Synonym:</b>	Diphosphoric acid, tetrapotassium salt
<b>Chemical Name:</b>	Tetrapotassium pyrophosphate
<b>Chemical Formula:</b>	K <sub>4</sub> P <sub>2</sub> O <sub>7</sub> .

<b>Company Identification:</b>	<b>Hazel Mercantile Limited</b>
<b>Company Identification: (INDIA)</b>	701/712 A, Embassy Centre, Nariman Point, Mumbai - 400 021.
<b>For information in the INDIA, call:</b>	+91 - 22 - 2282 4444 (50 Lines)

### Section 2: Composition and Information on Ingredients Composition:

<b>Name :</b>	Potassium pyrophosphate
<b>CAS # :</b>	7320-34-5
<b>% by Weight:</b>	> 98
<b>Toxicological Data on Ingredients:</b>	
<b>ORAL (LD50): Acute:</b>	2980 mg/kg [Rat.].
<b>DERMAL (LD50): Acute:</b>	7940 mg/kg [Rabbit.].

### Section 3: Hazards Identification

#### Potential Acute Health Effects:

Hazardous in case of eye contact (irritant), of ingestion, of inhalation. Slightly hazardous in case of skin contact (irritant). Non-sensitizer for skin. Non-permeator by skin.

#### Potential Chronic Health Effects:

Hazardous in case of eye contact (irritant), of ingestion, of inhalation. Slightly hazardous in case of skin contact (irritant).

**Carcinogenic Effects** Not available.

**Mutagenic Effects:** Not available.

**Teratogenic Effects** Not available.

**Developmental Toxicity:** Not available.

The substance is toxic to lungs, mucous membranes. Repeated or prolonged exposure to the substance can produce target organs damage.



#### Section 4: First Aid Measures

<b>Eye Contact:</b>	Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Do not use an eye ointment. Seek medical attention
<b>Skin Contact:</b>	Wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cold water may be used. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.
<b>Serious Skin Contact:</b>	Not available
<b>Inhalation:</b>	Allow the victim to rest in a well ventilated area. Seek immediate medical attention.
<b>Serious Inhalation:</b>	Not available
<b>Ingestion:</b>	Do not induce vomiting. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.
<b>Serious Ingestion:</b>	Not available

#### Section 5: Fire and Explosion Data

Flammability	Non-flammable
Auto-Ignition Temperature	Not applicable
Flash Point	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	Keep container tightly closed
Special Remarks on Explosion Hazards	Not available

#### Section 6: Accidental Release Measures

<b>Small Spill:</b>	Use appropriate tools to put the spilled solid in a convenient waste disposal container. If necessary: Neutralize the residue with a dilute solution of acetic acid. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements
<b>Large Spill:</b>	Use a shovel to put the material into a convenient waste disposal container. Neutralize the residue with a dilute solution of acetic acid. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system



### Section 7: Handling and Storage

<b>Precautions:</b>	Do not ingest. Do not breathe dust. Avoid contact with eyes Wear suitable protective clothing In case of insufficient ventilation, wear suitable respiratory equipment If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as moisture.
<b>Storage:</b>	No specific storage is required. Use shelves or cabinets sturdy enough to bear the weight of the chemicals. Be sure that it is not necessary to strain to reach materials, and that shelves are not overloaded.

### Section 8: Exposure Controls/Personal Protection

<b>Engineering Controls:</b>	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.
<b>Personal Protection:</b>	Splash goggles. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent gloves.
<b>Personal Protection in Case of a Large Spill:</b>	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.
<b>Exposure Limits:</b>	Not available.

### Section 9: Physical and Chemical Properties

Physical state and appearance	Solid
Odor	Odorless
Taste	Not available
Color	White
pH (1% soln/water)	10
Melting Point	1090°C
Critical Temperature	Not available
Specific Gravity	2.33 (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 cold water, hot water. Insoluble in methanol, diethyl ether, n-octanol



### Section 10: Stability and Reactivity Data

Stability	The product is stable
Instability Temperature	Not available
Conditions of Instability	Not available
Incompatibility with various substances	Reactive with moisture
Corrosivity	Non-corrosive in presence of glass
Special Remarks on Reactivity	Hygroscopic; keep container tightly closed
Special Remarks on Corrosivity	Not available
Polymerization	No

### Section 11: Toxicological Information

<b>Routes of Entry:</b>	Eye contact. Inhalation. Ingestion.
<b>Toxicity to Animals:</b>	Acute oral toxicity (LD50): 2980 mg/kg [Rat.]. Acute dermal toxicity (LD50): 7940 mg/kg [Rabbit.].
<b>Chronic Effects on Humans:</b>	The substance is toxic to lungs, mucous membranes.
<b>Other Toxic Effects on Humans:</b>	Hazardous in case of ingestion, of inhalation. Slightly hazardous in case of skin contact (irritant). Non-sensitizer for skin. Non-permeator by skin.
<b>Special Remarks on Toxicity to Animals</b>	Not available.
<b>Special Remarks on Chronic Effects on Humans:</b>	To the best of our knowledge, the toxicological properties of this substance have not been thoroughly investigated.
<b>Special Remarks on other Toxic Effects on Humans:</b>	Material is irritating to mucous membranes and upper respiratory tract.

### Section 12: Ecological Information

<b>Ecotoxicity:</b>	Not available.
<b>BOD5 and COD:</b>	Not available.
<b>Products of Biodegradation:</b>	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
<b>Toxicity of the Products of Biodegradation:</b>	The products of degradation are more toxic.
<b>Special Remarks on the Products of Biodegradation:</b>	Not available.

### Section 13: Disposal Considerations

<b>Waste Disposal:</b>	Dispose in accordance with the procedure laid down by local authorities.
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### Section 14: Transport Information

<b>DOT Classification:</b>	Not a DOT controlled material (United States).
<b>Identification:</b>	Not applicable.
<b>Special Provisions for Transport:</b>	Not applicable



### Section 15: Other Regulatory Information

<b>USA</b>	TSCA 8(b) inventory: Potassium pyrophosphate
<b>Other Classifications:</b>	
<b>WHMIS (Canada):</b>	CLASS D-2A: Material causing other toxic effects (VERY TOXIC).
<b>DSCL (EEC):</b>	R36-Irritating to eyes.

### Section 16: Other Information

<b>MSDS Creation Date:</b>	08/16/2007
<b>Revision #1 Date</b>	

*The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential, or exemplary damages howsoever arising, even if the company has been advised of the possibility of such damages.*