

Material Safety Data Sheet



(Division of Titan Biotech Ltd.)

Corp. Office: A 2/3, 303-305, Lusa Tower, Azadpur, Delhi - 110033, India

Customer Care: customercare@titanbiotechltd.com

POTASSIUM DIHYDROGEN ORTHOPHOSPHATE

Section 1: Chemical Product Identification

Product Name: POTASSIUM DIHYDROGEN ORTHOPHOSPHATE

Product Code: 220

CAS#: 7778-77-0

CI#: NA

Synonym: Monopotassium Phosphate; Potassium Dihydrogen Phosphate; Phosphoric Acid, Monopotassium salt

Chemical Formula: KH₂PO₄

Section 2: Composition/Information on Ingredients

Ingredients	CAS No.	% by Weight
POTASSIUM DIHYDROGEN ORTHOPHOSPHATE	7778-77-0	100%

Section 3: Hazards Identification

Not a hazardous substance or preparation according to EC directives.

Section 4: First Aid Measures

Eye Contact:

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.

Skin Contact:

After contact with skin, 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

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water may be used. Cover the irritated skin with an emollient. If irritation persists, seek medical attention.

Serious Skin Contact:

Not available

Inhalation: Allow the victim to rest in a well ventilated area. Seek immediate medical attention.

Serious Inhalation: Not available.

Ingestion:

If swallowed, wash out mouth with water provided person is conscious. Seek immediate medical attention.

Serious Ingestion: Not available

Section 5: Fire Fighting Measures

Flammability of the Product: It does not burn or support combustion.

Auto-Ignition Temperature: Not applicable.

Flash Points: Not applicable.

Flammable Limits: Not applicable.

Fire Hazards in Presence of Various Substances: Not available.

Explosion Hazards in 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:

SMALL FIRE: Use DRY chemical powder

LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

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Special Remarks on Fire Hazards: Not available.

Special Remarks on Explosion Hazards: Not available.

Section 6: Accidental Release Measures

Procedures for Cleanup: Stop release if possible to do so safely. Contain spill, isolate hazard area, and deny entry. Sweep up or vacuum. Place contaminated material in suitable, labeled containers for final disposal. Dispose of waste material consistent with the requirements of waste disposal authorities.
Personal Precautions: Gloves and coveralls or other protective clothing are recommended for persons responding to an accidental release. Close-fitting safety goggles may be necessary in some circumstances to prevent eye contact.
Environmental Precautions: This product can pose a threat to the environment. Contamination of soil and water should be prevented. Keep spillage and runoff from storage areas from entering soil, streams or sewers.

Section 7: Handling and Storage

Precautions:

Protect from physical damage. It is good practice to keep it in container closed when not in use. Avoid generating dust and the release of dust into the workplace. Good housekeeping is important to prevent accumulations of dust. Always practice good personal hygiene. Refrain from eating, drinking, or smoking in work areas.

Storage:

Store in a cool, well-ventilated area.

Section 8: Exposure Controls/Personal Protection

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

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.

Exposure Effect: Not available

Section 9: Physical and Chemical Properties

Physical state :	Solid
Odor:	Not available
Taste:	Not available
Color:	White powder

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pH:	Not available
Boiling Point:	Not available
Melting Point:	253°C
Critical Temperature:	Not available.
Vapor Pressure:	Not applicable.
Vapor Density:	Not available.
Volatility:	Not available.
Odor Threshold:	Not available.
Ionicity (in Water):	Not available.
Dispersion Properties:	Not available.
Solubility:	Soluble in water

Section 10: Stability and Reactivity Data

Stability:	Stable under recommended storage condition
Instability Temperature:	Not available.
Conditions of Instability:	Not available.
Corrosivity:	Not available.
Special Remarks on Reactivity:	Not available.

Section 11: Toxicological Information

Not available

Section 12: Ecological Information

The substance is biodegradable and avoid release to the environment.

Section 13: Disposal Consideration

Do not wash the material down drain. Put uncontaminated material back into the process if at all possible. Place contaminated material in suitable, labeled containers for disposal. Dispose of waste material consistent with the requirements of waste disposal authorities.

Section 14: Transport Information

DOT Classification: Not a Dot controlled
Identification: not available
Special Provisions for Transport: Not applicable.

Section 15: Regulatory Information

Federal and State Regulations: Not available

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Protective Equipment: Gloves, Lab coat, Safety glasses, Dust respirator - be sure to use an approved/certified respirator or equivalent..

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

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