

Material Safety Data Sheet



(Division of Titan Biotech Ltd.)

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POTASSIUM SULPHATE, EXTRA PURE

Section 1: Product Identification

Product Name: POTASSIUM SULPHATE, EXTRA PURE

Product Code: 406

CAS#: 7778-80-5

CI#: NA

Synonym: Potassium Sulfate; Potassium Sulfate (2:1); Sulfuric Acid Dipotassium Salt; Sulfuric Acid, Dipotassium Salt

Chemical Formula: K₂O₄S

Section 2: Composition/Information on Ingredients

Ingredients	CAS No.	% by Weight
POTASSIUM SULPHATE, EXTRA PURE	7778-80-5	100

Section 3: Hazards Identification

Potential Health Effects :

Eye: May cause eye irritation.

Skin: May cause skin irritation.

Ingestion: Ingestion of large amounts may cause gastrointestinal irritation.

Inhalation: May cause respiratory tract irritation.

Potential Chronic Health Effects: Not available

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.

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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 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:	Flammable
Fire Fighting Media and Instructions:	
SMALL FIRE:	Use DRY chemical powder
LARGE FIRE:	Use water spray, fog or foam. Do not use water jet.
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

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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 below 20°C and protect direct sunlight.

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
Color:	White
pH:	5.5-7.5
Boiling Point:	1689°C
Melting Point:	1067°C
Solubility:	Soluble in water (120.48 mg/ml at 25 °C), and glycerol (13.33 mg/ml). Insoluble in alcohol, acetate, and carbon disulfide.

Section 10: Stability and Reactivity Data

Stability: Stable under normal temperature and Strong oxidizers and reducing agents. Substance undergoes violent decomposition when in contact with dimethyl form amide.

Section 11: Toxicological Information

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Acute Effects : May be harmful if swallowed.

Exposure can cause: Stomach pains, vomiting, diarrhoea. Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals.

RTECS No. TT5900000

For detailed information, RTECS may be referred.

Section 12: Ecological Information

Data no Available

Section 13: Disposal Consideration

On completion of work all used or unusable preparations of this product and derivatives thereof are to be disposed off by autoclaving and/or by incineration. Dispose off waste in accordance with all applicable Federal, State and local laws.

Section 14: Transport Information

UN No.: Not Available

Section 15: Regulatory Information

Risk Phrases: Irritating to respiratory system

Risk Phrases: Harmful if swallowed

Safety Phrases: Do not breathe dust

Safety Phrases: Avoid contact with skin and eyes

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

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