



Safety Data Sheet

according to WHS & OHS Regulations

Print date: 29.04.2026

Revision date: 26.05.2021

1 Identification

Product Name: TITAN MKP TECHNICAL GRADE**Other Means of Identification:** Inorganic salt**Recommended Use of the Chemical and Restriction on Use:** Agricultural fertiliser**Details of Manufacturer or Importer:**

Titan Ag Pty Ltd
Princes Street Marina
Suite 15/16 Princes Street
Newport NSW 2106

Phone Number: 02 9999 6655**Emergency telephone number:** 02 9999 6655

2 Hazard(s) Identification

Hazardous Nature:

Not classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

The product is not classified, according to the Globally Harmonised System (GHS).

Signal Word None**Hazard Statements** None

3 Composition and Information on Ingredients

Chemical Characterization: Mixtures**Description:** No reportable hazardous substances or complex substances.**Hazardous Components:** None**Non Hazardous Components:**

CAS: 7778-77-0	Phosphoric acid, monopotassium salt	99.0%
----------------	-------------------------------------	-------

4 First Aid Measures

General Information: No special measures required.**Inhalation:** If inhaled, remove to fresh air. Seek medical attention if breathing problems develop.**Skin Contact:**

In case of skin contact, immediately remove contaminated clothing and wash affected areas with water and soap. Seek medical attention if symptoms persist.

Eye Contact:

In case of eye contact, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention if symptoms persist.

Ingestion:

If swallowed, do not induce vomiting. Wash mouth with water and give some water to drink. Do not give anything by mouth to an unconscious person. Seek medical attention if symptoms occur.

Symptoms Caused by Exposure:

Inhalation: No adverse health effects expected.

Skin Contact: No adverse health effects expected.

Eye Contact: May cause slight eye irritation.

Ingestion: No adverse health effects expected.

(Contd. on page 2)

Safety Data Sheet

according to WHS & OHS Regulations

Print date: 29.04.2026

Revision date: 26.05.2021

Product Name: TITAN MKP TECHNICAL GRADE

(Contd. of page 1)

5 Fire Fighting Measures

Suitable Extinguishing Media: Use fire extinguishing methods suitable to surrounding conditions.

Specific Hazards Arising from the Chemical:

Hazardous combustion products include nitrogen and its compounds, oxides of phosphorus and other phosphorus compounds and potassium compounds.

This product is not flammable, but may burn or decompose in a fire.

Containers close to fire should be removed if safe to do so. Use water spray to cool fire exposed containers.

Minimise firefighting run off from entering drains and water courses.

Special Protective Equipment and Precautions for Fire Fighters:

When fighting a major fire wear self-contained breathing apparatus and protective equipment.

6 Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures:

Wear protective equipment. Keep unprotected persons away.

Environmental Precautions:

In the event of a major spill, prevent spillage from entering soil, drains or water courses.

Methods and Materials for Containment and Cleaning Up:

Stop leak if safe to do so and sweep powder into a pile and shovel into drums for subsequent disposal. Avoid generating and breathing dust. Provide adequate ventilation. Consider vacuuming if appropriate.

7 Handling and Storage

Precautions for Safe Handling:

Use of safe work practices are recommended to avoid eye or skin contact and inhalation of dust.

Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use.

Conditions for Safe Storage:

Store in a cool, dry and well ventilated area. Keep container dry and tightly closed when not in use. Store upright and inspect container regularly for damage or leaks. Keep away from strong oxidising agents, strong acids and sodium hypochlorite.

8 Exposure Controls and Personal Protection

Exposure Standards:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Engineering Controls: Ensure adequate ventilation of the working area.

Respiratory Protection:

Where an inhalation risk exists, wear a Class P1 (particulate) respirator. See Australian/New Zealand Standards AS/NZS 1715 and 1716 for more information.

Skin Protection:

Handle with PVC or nitrile rubber gloves. See Australian/New Zealand Standard AS/NZS 2161 for more information. When selecting gloves for use against certain chemicals, the degradation resistance, permeation rate and permeation breakthrough time should be considered.

Wear occupational protective clothing, cotton overall buttoned to the neck and wrist, safety boots and a washable hat (depending on conditions in which it has to be used, in particular as regards the period for which it is worn, which shall be determined on the basis of the seriousness of the risk, the frequency of exposure to the risk, the characteristics of the workstation of each worker and the performance of the protective clothing). See Australian/New Zealand Standard AS/NZS 4501 for more information.

(Contd. on page 3)

Safety Data Sheet

according to WHS & OHS Regulations

Print date: 29.04.2026

Revision date: 26.05.2021

Product Name: TITAN MKP TECHNICAL GRADE

(Contd. of page 2)

Eye and Face Protection:

Use safety glasses for protection against dust. See Australian/New Zealand Standard AS/NZS 1337 for more information.

9 Physical and Chemical Properties

Appearance:	Crystalline
Form:	Solid
Colour:	White
Odour:	Characteristic
Odour Threshold:	No information available
pH-Value:	Not applicable
Melting point/freezing point:	No information available
Initial Boiling Point/Boiling Range:	1,689 °C
Flash Point:	Not applicable
Flammability	Product is not flammable
Ignition Temperature	No information available
Auto-ignition Temperature:	No information available
Decomposition Temperature:	No information available
Explosion Limits:	
Lower:	Not applicable
Upper:	Not applicable
Vapour Pressure:	Negligible at normal ambient temperatures.
	Not applicable
Density at 20 °C:	2.662 g/cm ³ (OECD Test Guideline 109)
Relative Density:	No information available
Vapour Density:	No information available
Evaporation Rate:	No information available
Solubility in Water at 20 °C:	37 %
Partition Coefficient (n-octanol/water):	No information available
	Not applicable
Solids content:	100.0 %

10 Stability and Reactivity

Possibility of Hazardous Reactions: Hazardous polymerisation will not occur.

Chemical Stability: Stable at ambient temperature and under normal conditions of storage and use.

Conditions to Avoid: Moisture during storage.

Incompatible Materials: Strong oxidising agents, strong acids and sodium hypochlorite.

Hazardous Decomposition Products:

Nitrogen and its compounds, oxides of phosphorus and other phosphorus compounds and potassium compounds.

11 Toxicological Information

Toxicity:**Acute Health Effects**

Inhalation: No adverse health effects expected.

Skin: No adverse health effects expected.

Eye: May cause slight eye irritation.

Ingestion: No adverse health effects expected.

Skin Corrosion / Irritation: Based on classification principles, the classification criteria are not met.

(Contd. on page 4)

Safety Data Sheet

according to WHS & OHS Regulations

Print date: 29.04.2026

Revision date: 26.05.2021

Product Name: TITAN MKP TECHNICAL GRADE

(Contd. of page 3)

Serious Eye Damage / Irritation: Based on classification principles, the classification criteria are not met.**Respiratory or Skin Sensitisation:** Based on classification principles, the classification criteria are not met.**Germ Cell Mutagenicity:** Based on classification principles, the classification criteria are not met.**Carcinogenicity:** This product does NOT contain any IARC listed chemicals.**Reproductive Toxicity:** Based on classification principles, the classification criteria are not met.**Specific Target Organ Toxicity (STOT) - Single Exposure:**

Based on classification principles, the classification criteria are not met.

Specific Target Organ Toxicity (STOT) - Repeated Exposure:

Based on classification principles, the classification criteria are not met.

Aspiration Hazard: Based on classification principles, the classification criteria are not met.**Chronic Health Effects:** No data for health effects associated with long term exposure.**Existing Conditions Aggravated by Exposure:** No information available

12 Ecological Information

Ecotoxicity: No adverse ecological effects are expected.**Aquatic toxicity:** No data available on finished product.**Persistence and Degradability:** No information available**Bioaccumulative Potential:** No information available**Mobility in Soil:** No information available**Other adverse effects:** No information available

13 Disposal Considerations

Disposal Methods and Containers: Dispose according to applicable local and state government regulations.**Special Precautions for Landfill or Incineration:**

Please consult your state Land Waste Management Authority for more information.

14 Transport Information

UN Number Not regulated.**Proper Shipping Name** Not regulated.**Dangerous Goods Class** Not regulated.**Packing Group:** Not regulated.

15 Regulatory Information

Australian Inventory of Industrial Chemicals:

All ingredients are listed.

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Poison Schedule:

Not a scheduled poison.

16 Other Information

Date of Preparation or Last Revision: 26.05.2021**Prepared by:** MSDS.COM.AU Pty Ltd

www.msds.com.au

Abbreviations and acronyms:

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

(Contd. on page 5)

Safety Data Sheet

according to WHS & OHS Regulations

Print date: 29.04.2026

Revision date: 26.05.2021

Product Name: TITAN MKP TECHNICAL GRADE

(Contd. of page 4)

CAS: Chemical Abstracts Service (division of the American Chemical Society)

IARC: International Agency for Research on Cancer

STEL: Short Term Exposure Limit

TWA: Time Weighted Average

NES: National Exposure Standard (Safe Work Australia - Workplace Exposure Standards For Airborne Contaminants)

Data altered compared to the previous version:

Section 4: First Aid Measures; Section 5: Fire Fighting Measures; Section: 7 Handling and Storage; Section: 8 Exposure Controls and Personal Protection; Section: 12 Ecological Information.

Disclaimer

This SDS is prepared in accord with the Safe Work Australia document "Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals - June 2023".

The information contained in this material safety data sheet is provided in good faith and is believed to be accurate at the date of issuance. Titan Ag Pty Ltd makes no representation of the accuracy or comprehensiveness of the information and to the full extent allowed by law excludes all liability for any loss or damage related to the supply or use of the information in this material safety data sheet. MSDS.COM.AU Pty Ltd is not in a position to warrant the accuracy of the data herein. The user is cautioned to make their own determinations as to the suitability of the information provided to the particular circumstances in which the product is used.