



Safety Data Sheet

MiSK

PRODUCT NAME:

MiSK

OTHER NAMES:

Schoenite, Kalimagnesia, Potassium Magnesium Sulphate, Sulphate of Potash and Magnesium. MiSK Natural Fertiliser, MiSK 3 in 1 Natural Fertiliser

PRIMARY USE:

Fertiliser

HANDLING:

Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Provide adequate ventilation.

STORAGE:

Store in the closed, original container in a dry, well-ventilated area. Protect from moisture.

ECOLOGICAL INFORMATION

Prevent from entering sewers, drains or natural waterways.

MiSK COMPONENTS

Component	Percentage
Magnesium Potassium Sulphate CAS NO. 13826-56-7	97%
Impurities	3%

Appearance:	White granules/powder
Odour/Taste:	Odourless
Solubility in Water:	32.8g/100mL @ 25°C (highly soluble)
Melting Point:	No information available
Decomposition Point:	72°C
Vapour Pressure:	No information available
Vapour Density (Air = 1):	No information available
Specific Gravity (H ₂ O=1):	2.15g/cm
Bulk Density (kg/m ³):	1150 -1700
Flash Point:	Not applicable
Flammable Limit – Lower:	Not applicable
Flammable Limit – Upper:	Not applicable
Auto-ignition Temperature:	No information available

CONTACTS:

Agent: Hortigro Ltd 164 Manukau Road, Pukekohe 2120. Ph: 092371777

Supplier/Importer: Viafos Importing Ltd – refer below

Non-Emergency: 03 358 8089

EMERGENCY

Viafos: 0800 842 367

Viafos Emergency: 027 413 6772

Police/Fire Brigade: 111

Poisons: 0800 764 766

HAZARDS IDENTIFICATION

Classified as hazardous according to the criteria in the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001.

Not classified as a dangerous good according to New Zealand Standard 5433:2007 Transport of Dangerous Goods on Land.

HSNO Classifications

Subclass 6.1 Category D - Substances which are acutely toxic.

Subclass 6.3 Category B - Substances that are mildly irritating to the skin.

Subclass 6.4 Category A - Substances that are irritating to the eye.

Hazards – Harmful by inhalation and if swallowed. Causes mild skin irritation. Causes eye irritation.

FIRST AID MEASURES

Eyes – If in eyes, hold eyelids apart and flush the eye continuously with large amounts of water for at least 15 minutes. Seek medical attention if symptoms persist.

Skin – If skin or hair contact occurs, immediately remove contaminated clothing and wash skin and hair thoroughly with soap and plenty of water. Seek medical attention if symptoms persist.

Inhalation (Breathing) – If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention.

Ingestion (Swallowing) – If swallowed give water to drink. Never give anything by mouth to an unconscious person. Seek immediate medical attention.

FIRE FIGHTING MEASURES

Firefighting Equipment – Wear Safe Work Australia approved self-contained breathing apparatus and full protective clothing.

Unusual Fire & Explosion Hazards – Non-combustible.

Explosion Hazards, Hazchem Code – Not allocated.

ACCIDENTAL RELEASE MEASURES

Spills – Wear full protective clothing including eye/face protection and impervious elbow-length gloves. Avoid inhaling the dust. Use a P1 or P2 particulate respirator (dust mask). Evacuate general area and deny access to unnecessary and unprotected personnel.

- Ventilate area
- Minimize dust generation
- Sweep up and recycle.

Magnesium potassium sulphate is a naturally occurring crop nutrient and plant food. However large spills can harm or kill vegetation. Prevent spilled material from entering sewers, drains or natural waterways.

EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Standards (Safe Work Australia)

Rogue dust –

TWA: - ppm /10 mg/m³

STEL: - ppm / - mg/m³

Engineering Controls – Local exhaust ventilation is recommended when dusts can be released in excess of established airborne exposure limits.

Respiratory Protection – If high airborne concentrations of the material are present use a Safe Work Australia approved P1 or P2 particulate respirator (dust mask). See Australian Standards AS/ NZS 1715 and 1716 for more information.

Personal Protective Equipment (PPE)

Skin – Wear standard duty gloves, loose, comfortable protective clothing and boots. See Australian Standards AS 2161 and 2919 and AS/NZS 2210 for more information.

Eye – Non-fogging dust resistant goggles or safety glasses. See Australian Standards AS 1336 and AS/NZS 1337 for more information.

Hygienic Practices – 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. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

STABILITY AND REACTIVITY

Chemical Stability – Stable under normal conditions of storage and handling.

Incompatible Materials – Mildly corrosive to metals in the presence of moisture. Contact with strong acids may produce irritating hydrogen chloride gas.

Hazardous Decomposition

Hazardous Polymerization – Will not occur.

Conditions to Avoid – Moisture.

TOXICOLOGICAL

Magnesium potassium sulphate – Oral LD50 (rat) = 6400 mg/kg, Oral LD50 (mouse) = 6400 mg/kg Oral, LDLo (rat) = 3000 mg/kg Intraperitoneal, LD50 (rat) = 1100 mg/kg.

Moderately toxic by inhalation and intraperitoneal routes. Low toxicity by ingestion.

This product also contains low levels of environmental toxins including arsenic (<1 ppm); boron (30 ppm); cadmium (0.3 ppm); chromium (<1 ppm); cobalt (<1 ppm); copper (<1 ppm); lead (0.2 ppm); manganese (2 ppm); mercury (<2 ppm); selenium (<1 ppm); silica (<0.1%); and zinc (2 ppm).

Routes of Exposure – Inhalation, ingestion, eye and skin

Acute Health Effects

Inhalation – Causes respiratory irritation.

Ingestion – May cause irritation of the gastrointestinal tract.

Eye – Causes eye irritation including stinging, watering and redness.

Skin – Causes mild skin irritation including redness and a burning sensation.

Chronic Health Effects – Effect of overexposure may include irritation of the nose, throat and digestive tract, nausea, vomiting, abdominal cramping, diarrhoea, irregular heartbeats, dehydration and hypertension.

Existing Conditions Aggravated by Exposure – Respiratory diseases (asthma-like disorders) and high blood pressure (hypertension).

Carcinogenicity – No information available

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.

TRANSPORT INFORMATION

Not classified as a dangerous good according to New Zealand Standard 5433:2007 Transport of Dangerous Goods on Land.

UN Number – Not applicable

Proper Shipping Name – Not applicable

Dangerous Goods Class – Not applicable

Hazchem Code – Not applicable

Packing Group – Not applicable

Special Precautions – Not applicable

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Prepared by MSDS.COM.AU Pty Ltd, www.msds.com.au

Abbreviations Used HSNO: Hazardous Substances and New Organisms Act 1996, IARC: International Agency for Research on Cancer, NTP: National Toxicology Program (U.S.), OSHA: Occupational Safety and Health Administration (U.S.), STEL: Short term exposure limit, TWA: Time weighted average.

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Please read instructions / label before using product.