

SAFETY DATA SHEET

Section 1. Identification of the material and the supplier

Product: WUXAL[®] Molybdenum
 Product No: P92478
 Product Use: Fertilizer
 Restrictions of Use: Refer to Section 15

New Zealand Supplier: Horticulture Ltd
 Address: 10 Firth Street
 Drury, 2113

Telephone: +64 9 294 8453
 Fax Number: +64 9 294 7272

New Zealand: **0800 764 766 (National Poison Centre)**

Date of SDS Preparation: 4 March 2022 v2

Section 2. Hazards Identification

The manufacturer has stated that this substance is hazardous according to the EPA Hazardous Substances (Classification) Notice 2020.

EPA Approval Code: Fertilisers (subsidiary) – HSR002571

Pictograms



Signal Word: **WARNING**

GHS Category	Hazard Code	Hazard Statement
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Skin irritation Cat. 2	H315	Causes skin irritation.
Eye irritation Cat. 2	H319	Causes serious eye irritation.

Prevention Code	Prevention Statement
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P103	Read label before use.
P264	Wash hands thoroughly after handling.
P280	Wear protective clothing.

Response Code	Response Statement
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P362	Take off contaminated clothing and wash before re-use.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P305 + P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332 + P313	If skin irritation occurs: Get medical advice/ attention.

P337 + P313	If eye irritation persists: Get medical advice/attention.
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Storage Code Storage Statement

None allocated	
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Disposal Code Disposal Statement

P501	Triple rinse container. Cleaned packaging maybe offered for recycling or landfill in accordance with local regulations. Dispose of unwanted product as a hazardous material according to Local Regulations.
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Section 3. Composition / Information on Ingredients

Ingredients	Wt%	CAS NUMBER.
Phosphoric acid, orthophosphoric acid	10-<15	7664-38-2

Section 4. First Aid Measures

Routes of Exposure:

If in Eyes	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Apply continuous irrigation with water for at least 15 minutes holding eyelids apart. If eye irritation persists: Get medical advice.
If on Skin	Wash with plenty of soap and water. Take off contaminated clothing and wash before re-use. If skin irritation occurs: get medical advice/attention.
If Swallowed	Immediately rinse the mouth with water. Consult the doctor in case of persistent trouble.
If Inhaled	Remove person to fresh air. Remove contaminated clothing and loosen remaining clothing. Allow person to assume most comfortable position and keep warm. Keep at rest until fully recovered. Get medical advice if breathing becomes difficult.

Most important symptoms and effects, both acute and delayed

Symptoms:

Inhalation:	Not applicable.
Ingested:	Not applicable.
Skin:	Causes skin irritation.
Eye:	Causes severe eye irritation.

Section 5. Fire Fighting Measures

Hazard Type	Non Flammable
Hazards from combustion products	Phosphorus oxides
Suitable Extinguishing media	The product itself does not burn. Water spray jet, water mist, carbon dioxide and powder. Do not use a strong water jet.
Precautions for firefighters and special protective clothing	Wear self-contained breathing apparatus. Do not allow water used to extinguish fire to enter drains, ground o waterways. Treat runoff as hazardous.
HAZCHEM CODE	None allocated

Section 6. Accidental Release Measures

Provide adequate ventilation. Wear appropriate PPE as detailed in Section 8.

Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculite, diatomaceous earth) and collect for disposal in appropriate containers in accordance with the local regulations (see Section 13).

Do not allow to enter into surface water or drains.

Section 7. Handling and Storage

Handling

- Read label before use.
- Wash hands thoroughly after handling.
- Avoid contact with skin, eyes and clothes.
- Wear protective clothing as detailed in Section 8.

Storage

- Protect from heat and direct sunlight.
- Always keep in containers that correspond to the material of the original container.
- Keep containers tightly closed.
- Do not store together with: Food and feeding stuffs.
- Take care of instructions on label.
- Store in a well-ventilated and dry room at temperatures between 5 °C and 40 °C.
- Store carefully closed containers upright to prevent any leaks.

Section 8 Exposure Controls / Personal Protection

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance	TWA		STEL	
	ppm	mg/m ³	ppm	mg/m ³
Phosphoric acid [7664-38-2]	-	1	-	-

Workplace Exposure Standard – Time Weighted Average (WES-TWA). The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure. Workplace Exposure Standard – Short-Term Exposure Limit (WESSTEL). The 15-minute average exposure standard. Applies to any 15- Minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply. Workplace Exposure Standards and Biological Exposure Indices NOV 2020 12TH EDITION.

Engineering Controls

Technical measures and the application of suitable work processes have priority over personal protection equipment. No additional measures necessary.

Personal Protection Equipment



Eyes	Wear goggles with side shields. Avoid wearing contact lenses.
Hands and Skin	For prolonged or repeated handling the following glove material must be used: e.g. NBR (Nitrile rubber). Barrier creams can help protecting exposed skin areas. In no case should they be used after contact.
Respiratory	Usually no personal respirative protection necessary.
General	Immediately change contaminated clothing. Apply skin-protective barrier cream. Wash hands and face after working with substance.

Section 9 Physical and Chemical Properties

Appearance	Yellow Liquid
Odour	Characteristic
Odour Threshold	Not available
pH @ 20°C	3.00
Boiling Point	Not available
Melting Point	Not available
Freezing Point	Not available
Flash Point	Not available
Flammability	Not applicable
Upper and Lower Explosive Limits	Not available
Vapour Pressure	Not available
Density @ 20°C	1.20 g/cm ³
Relative Density	Not available
Solubilities	Very soluble
Partition Coefficient:	Not available
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
Kinematic Viscosity	Not available
Particle Characteristics	Not applicable

Section 10. Stability and Reactivity

Stability of Substance	This product is stable under normal conditions.
Conditions to Avoid	Protect from heat and direct sunlight.
Incompatible Materials	Alkali (lye)
Hazardous Decomposition Products	Hazardous decomposition byproducts may form with exposure to high temperatures: Phosphorus oxides

Section 11 Toxicological Information**Acute Effects:**

Swallowed	Not applicable.
Dermal	Not applicable.
Inhalation	Not applicable.
Eye	Causes severe irritation to eyes.
Skin	Causes skin irritation

Chronic Effects:

Carcinogenicity	Not applicable.
Reproductive Toxicity	Not applicable.
Germ Cell Mutagenicity	Not applicable.
Aspiration	Not applicable.
STOT/SE	Not applicable.
STOT/RE	Not applicable.

Section 12. Ecotoxicological Information

This product is not hazardous to the environment.

Persistence and degradability	No data available
Bioaccumulation	No data available
Mobility in Soil	No data available
Other adverse effects	No data available

Section 13. Disposal Considerations

Disposal Method: This material and its container must be disposed of in a safe way. Waste disposal according to local regulations, covering waste and dangerous waste.

Precautions: Non-contaminated packages may be recycled. Vessels not properly emptied are special waste.



Disposal methods to avoid: Do not allow to enter into surface water or drains where possible.

Section 14 Transport Information

This product is not classified as a Dangerous Good for transport in NZ ; NZS 5433:2012

Section 15 Regulatory Information

EPA Approval Code: Fertilisers (subsidiary) – HSR002571

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HSWA & EPA Controls	Trigger Quantity
Certified Handler	Not required
Location Certificate	Not required
Tracking Trigger Quantities	Not required
Signage Trigger Quantities	Not required
Emergency Response Plan	Not required
Secondary Containment	Not required
Restriction of Use	None

Section 16 Other Information

Glossary

Cat	Category
EC ₅₀	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.
LC ₅₀	Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD ₅₀	Lethal dose to kill 50% of test animals/organisms.
LEL	Lower explosive level.
OSHA	American Occupational Safety and Health Administration.
TEL	Tolerable Exposure Limit.
TLV	Threshold Limit Value-an exposure limit set by responsible authority.
UEL	Upper Explosive Level
WES	Workplace Exposure Limit

References:

1. EPA Hazardous Substances (Safety Data Sheets) Notice 2017
2. Workplace Exposure Standards and Biological Exposure Indices Nov 2017 edition.
3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).
4. Transport of Dangerous goods on land NZS 5433:2012
5. HSW (Hazardous Substances) Regulations 2017

Disclaimer

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Please contact the New Zealand distributor, if further information is required.

Issue Date: 4 March 2022 Review Date: 4 March 2027