

## SAFETY DATA SHEET

### Section 1. Identification of the material and the supplier

Product: WUXAL<sup>®</sup> Super  
 Product No: 12707  
 Product Use: Fertiliser, preparation for plant nutrition.  
 Restriction 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

**Emergency Telephone: 0800 764 766 (National Poison Centre)**

Date of SDS Preparation: 9 July 2024 v3

### Section 2. Hazards Identification

**This substance is hazardous according to the EPA Hazardous Substances (Classification) Notice 2020**

**EPA Approval Code: Fertilisers (subsidiary) - HSR002571**

#### Pictograms



Signal Word: **Warning**

GHS Classification and Category	Hazard Code	Hazard Statement
Eye irritation Cat. 2	H319	Causes serious eye irritation.

#### Prevention Code Prevention Statement

P264	Wash hands thoroughly after handling.
P280	Wear protective clothing.

#### Response Code Response Statement

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.

#### 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.
Ammonium Nitrate	3-10	6484-52-2
Potassium Nitrate	5-15	7757-79-1

**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. If skin irritation occurs: get medical advice/attention.
If Swallowed	Immediately rinse the mouth with water, then drink a lot of 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:

<b>Ingestion:</b>	Not applicable
<b>Inhalation:</b>	Not applicable
<b>Skin:</b>	Not applicable
<b>Eye:</b>	Causes severe eye irritation.

**Section 5.      Fire Fighting Measures**

<b>Hazard Type</b>	Non Flammable
<b>Hazards from decomposition products</b>	The material itself is hardly inflammable. Ambient fire may liberate hazardous vapours. If larger quantities of the product are on fire, the formation of nitrous gases, ammonia and phosphoric acid gases is possible.
<b>Suitable Extinguishing media</b>	Water Unsuitable: Do not use chemical extinguishers or foams or attempt to smother the fire with steam or sand.
<b>Precautions for firefighters and special protective clothing</b>	Do not stay in dangerous zone without suitable protecting clothes and self-contained breathing apparatus. Contain escaping vapours with water. Prevent fire-fighting water from entering surface water or groundwater.
<b>HAZCHEM CODE</b>	<b>None allocated</b>

**Section 6.      Accidental Release Measures**

Wear suitable protecting clothes. Avoid product contact and formation of vapours/aerosols. Do not inhale vapours/aerosols. In event of vapours/aerosols wear respiratory protection, safety glasses and gloves.

Take up with absorption media.  
Disposal of contaminated material as waste according to section 13.

Ensure that the product does not reach the ground-water, water bodies or the drainage system.

**Section 7. Handling and Storage**

**Handling**

- Wash hands thoroughly after handling.
- Wear protective clothing.

**Storage**

- Do not store together with:
  - strong alkaline materials,
  - strong acid materials,
  - combustible materials,
  - substances, which form perilous reactions with ammonium nitrate.
- Do not store together with food and luxury food, beverage and animal feed.

**Section 8 Exposure Controls / Personal Protection**

**WORKPLACE EXPOSURE STANDARDS (provided for guidance only)**

Substance	TWA		STEL	
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>

No ingredient has exposure limits

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 2023 14TH EDITION.

**Engineering Controls**

Ensure adequate ventilation to minimize exposure

**Personal Protection Equipment**



<b>Eyes</b>	Safety goggles with side shields.
<b>Hands</b>	Chemical resistance rubber or plastic gloves.
<b>Skin</b>	Closed working clothes.
<b>Respiratory</b>	Not required. Respiratory protection necessary at vapours/aerosol and wet fog formation.

**Section 9 Physical and Chemical Properties**

<b>Appearance</b>	Aqueous liquid
<b>Colour</b>	Green
<b>Odour</b>	Product specific
<b>Odour Threshold</b>	Not applicable

<b>pH (original state)</b>	Approx 5.5
<b>pH at 10g/l H<sub>2</sub>O and 20°C:</b>	Approx 6.5
<b>Change in physical state</b>	> 100°C decomposition
<b>Boiling Point</b>	Not applicable
<b>Melting Point</b>	Not applicable
<b>Freezing Point</b>	Not applicable
<b>Flash Point</b>	Not applicable
<b>Flammability</b>	Not applicable
<b>Upper and Lower Explosive Limits</b>	Not applicable
<b>Explosive hazards</b>	Not applicable
<b>Vapour Pressure</b>	Not applicable
<b>Vapour Density</b>	Not applicable
<b>Density @ 20°C</b>	approx. 1.24 g/cm <sup>3</sup>
<b>Water Solubility @ 20°C</b>	To a very high degree
<b>Partition Coefficient:</b>	Not applicable
<b>Self-ignition</b>	The product is not spontaneously flammable.
<b>Decomposition Temperature</b>	Not applicable
<b>Kinematic Viscosity</b>	Not applicable
<b>Particle Characteristics</b>	Not applicable

#### Section 10. Stability and Reactivity

<b>Stability of Substance</b>	This product is stable under normal conditions.
<b>Possibility of hazardous reactions</b>	Reacts with alkalis setting ammonia free.
<b>Conditions to Avoid</b>	Direct solar radiation, heat up and dry up. Temperatures above +40° C.
<b>Incompatible Materials</b>	Strong alkaline materials, as alkalis, calcinated lime, slaked lime, cement, strong acid materials, as all acids, chlorate, chlorite, hypochloride, nitrite, combustible materials, as coal dust, oil, fuel, organic peroxide, metal powder, grain, paper, wood fiber, hay, straw, combustible packing materials.
<b>Hazardous Decomposition Products</b>	If larger quantities of the product are on fire, the formation of nitrous gases, ammonia, sulfuric acid gases and phosphoric acid gases is possible. No decomposition if used correctly.

#### Section 11 Toxicological Information

##### Toxicological tests

Acute toxicity:

LD<sub>50</sub> (oral): =>5000 mg/kg = Non hazardous

Further toxicological information

After eye contact: Causes eye irritation.

After skin contact: Causes mild skin irritation.

##### Acute Effects:

<b>Swallowed</b>	Not applicable. LD50 (oral): = >5000mg/kg.
<b>Dermal</b>	Not applicable.
<b>Inhalation</b>	Not applicable.
<b>Eye</b>	Cause serious eye irritation.
<b>Skin</b>	Not applicable.

## Chronic Effects:

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

## Section 12. Ecotoxicological Information

This product is not known to be a hazard to the environment.

<b>Product:</b>	
<b>Persistence and degradability</b>	No data available
<b>Bioaccumulation</b>	No data available
<b>Mobility in Soil</b>	No data available
<b>Other adverse effects</b>	No data available

Depending on the concentration, phosphorus and/or nitrogen compounds may contribute to the eutrophication of drinking- water supplies.

## Section 13. Disposal Considerations

### Disposal Method:

Triple rinse container. Add rinsate to waste container for disposal. 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.

**Precautions or methods to avoid:** None known.

## Section 14 Transport Information

This product is not classified as a Dangerous Good for transport in NZ ; NZS 5433:2020

## Section 15 Regulatory Information

EPA Approval Code: Fertilisers (subsidiary) – HSR002571

<b>HSW (HS) Regulations 2017 and EPA Notices</b>	<b>Trigger Quantity</b>
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	Only use for the intended purpose.

## Section 16 Other Information

### Glossary

EC<sub>50</sub>

Median effective concentration.

EEL

Environmental Exposure Limit.

EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.
HSW	Health and Safety at Work.
LC <sub>50</sub>	Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD <sub>50</sub>	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 2023 14<sup>th</sup> edition.
3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).
4. Transport of Dangerous goods on land NZS 5433:2020
5. HSW (Hazardous Substances) Regulations 2017

Disclaimer

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Please contact the Horticulture, if further information is required.

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