

SAFETY DATA SHEET

Section 1. Identification of the material and the supplier

Product:	WUXAL Grano
Item Code:	P23220
Product Use:	Fertiliser
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
New Zealand:	0800 764 766 (National Poison Centre)
Manufacturer:	AGLUKON Spezialdünger GmbH & Co. KG
Address:	Heerdter Landstraße 199 40549 Düsseldorf Germany
Date of SDS Preparation:	11 July 2017

Section 2. Hazards Identification
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The manufacturer has stated that this substance is NOT hazardous according to the HSNO (Minimum Degrees of Hazard) Regulations 2001

Section 3. Composition / Information on Ingredients
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Ingredients	Wt%	CAS NUMBER.
Ethylenediaminetetraacetic acid copper(II) diammonium salt	1-<2	67989-88-2
Non-hazardous ingredients	To 100	-

Section 4. First Aid Measures

Routes of Exposure:

If in Eyes	Rinse cautiously with water for 15 minutes. 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	Rinse mouth. Never give anything to the mouth of an unconscious person. If vomiting occurs, place victim face downwards, with the head turned to the side and lower than the hips to prevent vomit entering the lungs. Seek medical attention if needed.

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.

Section 5. Fire Fighting Measures

Hazard Type	The product itself does not burn.
Hazards from combustion products	Hazardous combustion products: nitrogen oxides, Ammonia, Sulphur oxides
Suitable Extinguishing media	Water spray jet, Water mist, carbon dioxide, Powder Do not use strong water jet
Precautions for firefighters and special protective clothing	Provide a conveniently located respiratory protective device. Do not allow water used to extinguish fire to enter drains, ground or waterways.
HAZCHEM CODE	None allocated

Section 6. Accidental Release Measures

Wear protective equipment as detailed in Section 8. Clear area of any unprotected personnel. Provide adequate ventilation.

Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculit, diatomaceous earth) and collect it 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

Precautions for Handling:

- Read label before use.
- Avoid contact with skin, eyes and clothes.
- When using do not eat, drink or smoke
- Wear protective clothing.

Precautions for Storage:

- Store in original containers.
- Keep containers securely sealed.
- Protect from heat and direct sunlight.
- Do not store together with: Food and feeding stuffs.
- Store in a well-ventilated and dry room at temperatures between 5 °C and 40 °C.
- Store away from incompatible materials and foodstuff containers.

Section 8 Exposure Controls / Personal Protection

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance	TWA		STEL	
	ppm	mg/m ³	ppm	mg/m ³

No ingredients have 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.*

Engineering Controls

Do not allow to enter into surface water or drains. See chapter 7. No additional measures necessary.

Personal Protection Equipment

Eyes	Wear closely fitting protective glasses in case of splashes.
Hands and Skin	For prolonged or repeated handling the following glove material must be used: e.g. NBR (Nitrile rubber). After contact clean skin thoroughly with water and soap or use appropriate cleanser.
Respiratory	Usually no personal respirative protection necessary.

Section 9 Physical and Chemical Properties

Appearance	Green Liquid
Odour	Characteristic
Odour Threshold	Not available
pH at 20°C	6,8
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
Vapour Density	Not available
Density at 20°C	1.37 g/cm ³
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 of use and storage.
Conditions to Avoid	Protect from heat and direct sunlight.
Incompatible Materials	Alkali (lye)
Hazardous Decomposition Products	Does not decompose when used for intended uses. Hazardous decomposition byproducts may form with exposure to high temperatures: nitrogen oxides, Ammonia, Sulphur oxides.

Section 11 Toxicological Information

Acute toxicity WUXAL Grano
oral, LD50, Rat: > 5000 mg/kg Calculation method.
Ethylenediaminetetraacetic acid copper(II) diammonium salt oral,
LD50, Rat: > 300 mg/kg

Acute Effects:

Swallowed	Not applicable
Dermal	Not applicable
Inhalation	Not applicable

Eye	Not applicable
Skin	Not applicable

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:

Triple rinse and dispose of according to Local Regulations.

Precautions and methods to avoid:

Do not allow to enter waterways.

Section 14 Transport Information

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

Section 15 Regulatory Information

The manufacturer has stated that this substance is NOT hazardous according to the HSNO (Minimum Degrees of Hazard) Regulations 2001

Section 16 Other Information

Glossary

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

1. HSNO Approved Code of Practice: Preparation of Safety Data Sheets, September 2006.

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

Issue Date: 11 July 2017

Review Date: 11 July 2022