

SAFETY DATA SHEET

Section 1.	Identification of the material and the supplier
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Product: WUXAL[®] Ascofol Ca
 Product No: 23079
 Product Use: Fertiliser, preparation for plant nutrition.

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: 21 December 2015 – version 2

Section 2.	Hazards Identification
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The manufacturer has stated that this substance is hazardous according to the *HSNO (Minimum Degrees of Hazard) Regulations 2001*

Group Standard & EPA Approval Code: Fertilisers (Subsidiary Hazard) - HSR002571

Pictograms



Chronic



Irritant

Signal Word: **WARNING**

HSNO Class.	Hazard Code	Hazard Statement	GHS Category
6.1D (oral)	H302	Harmful if swallowed.	Category 4
6.3A	H315	Causes skin irritation.	Category 2
6.4A	H319	Causes serious eye irritation.	Category 2A
6.8B	H361	Suspected of damaging fertility or the unborn child	Category 2
9.3C	H433	Harmful to terrestrial vertebrates.	

Prevention Code Prevention Statement

P102	Keep out of reach of children.
P103	Read label before use.
P202	Do not handle until all safety precautions have been read and understood.
P264	Wash hands thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P273	Avoid release to the environment.

P280	Wear protective clothing.
P281	Use personal protective equipment as required.

Response Code Response Statement

P101	If medical advice is needed, have product container or label at hand.
P330	Rinse mouth.
P331	Do NOT induce vomiting.
P338	Remove contact lenses, if present and easy to do. Continue rinsing.
P362	Take off contaminated clothing and wash before re-use.
P301 + P312	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
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.
P308 + P313	IF exposed or concerned: Get medical advice/ attention.
P332 + P313	If skin irritation occurs: Get medical advice/ attention.
P337 + P313	If eye irritation persists: Get medical advice/attention.

Storage Code Storage Statement

P405	Store locked up.
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Disposal Code Disposal Statement

P501	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.
Calcium Chloride Dihydrate	30-<45	10043-52-4
Boric Acid	5-<8%	10043-35-3
Hydrochloric Acid	0.5-1	7647-01-0

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. Continue rinsing. If irritation persists: Get eye medical attention.
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 attention.
If Swallowed	Immediately rinse the mouth. DO NOT induce vomiting. Get medical assistance if you feel unwell.
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	Low corrosive liquid
Hazards from decomposition	carbon monoxide, carbon dioxide, nitrogen oxides.

products	
Suitable Extinguishing media	Water spray jet, Water mist, carbon dioxide, Powder No suitable: 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 or waterways. Treat runoff as hazardous.
HAZCHEM CODE	None allocated

Section 6. Accidental Release Measures

Wear protective clothes as described in Section 8. Provide adequate ventilation.

Neutralise and isolate leaked material, using acid neutralizer and non-flammable absorption agent (e.g. sand, earth, vermiculite, diatomaceous earth), and collect for disposal in appropriate containers in accordance with the local regulations.

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

Section 7. Handling and Storage

Handling

- Keep out of reach of children.
- Read label before use.
- Wash hands thoroughly after handling.
- Do not eat, drink or smoke when using this product.
- Avoid release to the environment.
- Wear protective clothing.

Storage

- Protect the product from impurity and drying up.
- Keep containers tightly closed.
- Store locked up.
- Do not store in metal containers (corrosion risk).

Section 8 Exposure Controls / Personal Protection

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance	CAS #	TWA		STEL
		ppm	mg/m ³	mg/m ³
Hydrogen chloride	[7647-01-0]		Ceiling 5 ppm (7.5 mg/m ³)	

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

Technical measures and the application of suitable work processes have priority over personal protection equipment. section 7. No additional measures necessary.

Personal Protection

Eyes: Safety goggles with side shields.

Skin: Closed working clothes.

Hand: 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.

Industrial Hygiene Do not eat and drink at work. Remove immediately soiled and soaked clothes. Wash hands and face after work.

Section 9 Physical and Chemical Properties

Appearance	Dark brown liquid
Odour	Characteristic
Odour Threshold	Not applicable
pH @ 20°C	1.40
Boiling Point	Not applicable
Melting Point	Not applicable
Freezing Point	Not applicable
Flash Point	Not applicable
Flammability	Not applicable
Upper and Lower Explosive Limits	Not applicable
Vapour Pressure	Not applicable
Vapour Density	Not applicable
Density @ 20°C	1.39 g/cm ³
Solubilities	Very soluble
Partition Coefficient:	Not applicable
Auto-ignition Temperature	Not applicable
Decomposition Temperature	Not applicable
Kinematic Viscosity	Not applicable
Particle Characteristics	Not applicable

Section 10. Stability and Reactivity

Stability of Substance The product is stable under normal conditions.

Conditions to Avoid Protect from heat and direct sunlight.

Incompatible Materials Alkalis. Strong oxidisers.

Hazardous Decomposition Products Carbon monoxide, carbon dioxide, nitrogen oxides

Thermic Decomposition If larger quantities of the product are on fire, the hydrogen chloride is possible.

Section 11 Toxicological Information

Swallowed	Harmful if swallowed. Mixture calculation = LD ₅₀ = 1075mg/kg
Dermal	Not applicable.
Inhalation	Not applicable.
Eye	Causes serious eye damage.
Skin	Causes severe skin burns and eye damage.

Chronic Effects:

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Carcinogenicity	Not applicable.
Reproductive Toxicity	Suspected of damaging fertility or the unborn child.
Germ Cell Mutagenicity	Not applicable.
Aspiration	Not applicable.
STOT/SE	Not applicable.
STOT/RE	Not applicable.

Section 12. Ecotoxicological Information

HSNO Classes: 9.3C = Harmful to terrestrial vertebrates.

Do not allow to enter waterways.

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

Triple rinse container. Cleaned packaging maybe offered for recycling or landfill in accordance with local regulations. Dispose of unwanted product and rinsate as a hazardous material according to Local Regulations.

Ensure waste container is labelled "Hazardous Waste"

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 Hazard) – HSR002571

HSNO Classification: 6.1D(oral), 6.3A, 6.4A, 6.8B, 9.3C

HSNO Controls:

Trigger quantities for this substance:

	Trigger Quantity
Approved Handler	Not required
Location Certificate	Not required
Tracking Trigger Quantities	Not applicable
Signage Trigger Quantities	10 000L
Emergency Response Plan trigger Quantities	1000L

Section 16 Other Information

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

Disclaimer

This document has been issued by TCC (NZ) Ltd and serves as their Safety Data Sheet ('SDS'). It is based on information concerning the product which has been provided to TCC (NZ) Ltd or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further

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

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