

## SAFETY DATA SHEET

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

Product: WUXAL® Ascofol Ca XU  
 Product No: P23269  
 Product Use: Fertiliser. Restricted to professional users.

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: 26 April 2023 v4

### Section 2. Hazards Identification

**Classified as hazardous according to Regulation (EC) No. 1272/2008 [CLP] which meets New Zealand jurisdiction criteria as per EPA Hazardous Substances (Safety Data Sheets) Notice 2017.**

**EPA Approval No: Fertilisers (Corrosive) – HSR002569**

#### Pictograms



Signal Word: **DANGER**

| GHS Classification and Category | Hazard Code | Hazard Statement                          |
|---------------------------------|-------------|---|
| Reproductive toxicity Cat. 1    | H360        | May damage fertility or the unborn child. |
| Corrosive to metals Cat. 1      | H290        | May be corrosive to metals.               |
| Skin corrosion Cat. 1C          | H314        | Causes severe skin burns and eye damage.  |
| Serious eye damage Cat. 1       | H318        | Causes serious eye damage.                |

#### Prevention Code      Prevention Statement

|      |   |
|------|---|
| P102 | Keep out of reach of children.  |
| P103 | Read carefully and follow all instructions.                               |
| P201 | Obtain special instructions before use.                                   |
| P202 | Do not handle until all safety precautions have been read and understood. |
| P234 | Keep only in original packaging.  |
| P260 | Do not breathe fumes, gas, mist, vapours or spray.                        |
| P264 | Wash hands thoroughly after handling.                                     |
| P280 | Wear protective clothing as detailed in Section 8.                        |

|      |  |
|------|--|
| P281 | Use personal protective equipment as required. |
|------|--|

**Response Code                      Response Statement**

|                  |  |
|------------------|--|
| P101             | If medical advice is needed, have product container or label at hand.  |
| P310             | Immediately call a POISON CENTER or doctor/physician.  |
| P363             | Wash contaminated clothing before reuse.   |
| P390             | Absorb spillage to prevent material damage.  |
| P301 + P330+P331 | IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.   |
| P303 + P361+P353 | IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.                       |
| P304 + P340      | IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.  |
| 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.  |

**Storage Code                      Storage Statement**

|      |  |
|------|--|
| P405 | Store locked up.   |
| P406 | Store in corrosive resistant container with a resistant inner liner. |

**Disposal Code                      Disposal Statement**

|      |                  |
|------|------------------|
| P501 | Refer to Sec 13. |
|------|------------------|

**Section 3.                      Composition / Information on Ingredients**

| <b>Ingredients</b> | <b>Wt%</b> | <b>CAS NUMBER.</b> |
|--------------------|------------|--------------------|
| Calcium chloride   | 35 - <50   | 10035-04-8         |
| Boric Acid         | 3 - <5.5   | 10043-35-3         |

**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. Immediately call a POISON CENTER or doctor/physician.   |
| If on Skin   | Wash with plenty of soap and water. Do not use solvents or thinners. Take off contaminated clothing and wash before re-use. Immediately call a POISON CENTER or doctor/physician.  |
| If Swallowed | If swallowed, rinse mouth with water (only if the person is conscious). Seek medical advice immediately. Keep victim calm. Do NOT induce vomiting.   |
| 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>       | Causes skin burns.                        |
| <b>Eyes:</b>       | Causes severe eye damage.                 |
| <b>Chronic:</b>    | May damage fertility or the unborn child. |

## Section 5. Fire Fighting Measures

|   |   |
|---|---|
| <b>Hazard Type</b>  | Non Flammalbe   |
| <b>Hazards from products</b>  | Dense black smoke occurs during fire. Inhaling hazardous decomposing products can cause serious health damage.<br>Hazardous combustion products<br>Carbon dioxide (CO <sub>2</sub> ), Carbon monoxide,<br>Sulphur oxides, Hydrogen chloride (HCl) |
| <b>Suitable Extinguishing media</b>                                 | Alcohol resistant foam, Carbon dioxide (CO <sub>2</sub> ), Powder, spray mist, (water).<br>Do not use strong water jet.   |
| <b>Precautions for firefighters and special protective clothing</b> | Provide a conveniently located respiratory protective device. Cool closed containers that are near the source of the fire. Do not allow water used to extinguish fire to enter drains, ground or waterways.                                       |
| <b>HAZCHEM CODE</b>   | <b>2X</b>   |

## Section 6. Accidental Release Measures

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

Do not allow to enter into surface water or drains. If the product contaminates lakes, rivers or sewages, inform competent authorities in accordance with local regulations.

### For containment

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).

### For cleaning up

Clean using cleansing agents. Do not use solvents

## Section 7. Handling and Storage

### Handling

- Read carefully and follow all instructions.
- Obtain special instructions before use.
- Do not handle until all safety precautions have been read and understood.
- Keep only in original packaging.
- Do not breathe fumes, gas, mist, vapours or spray.
- Wash hands thoroughly after handling.
- Wear protective clothing as detailed in Section 8.
- Use personal protective equipment as required.
- Avoid contact with skin, eyes and clothes.
- Do not empty containers with pressure - no pressure vessel! Always keep in containers that correspond to the material of the original container.

### Storage

- Store locked up.
- Store in corrosive resistant container with a resistant inner liner.
- Keep out of reach of children.
- Store away from incompatible materials listed in Section 10.
- Store in a dry place.
- Protect from heat and direct sunlight.
- Keep container tightly closed.
- Smoking is forbidden.
- Access only for authorised persons.
- Do not store together with: Food and feedingstuffs

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

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

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. Workplace Exposure Standards and Biological Exposure Indices APRIL 2022 13<sup>TH</sup> EDITION.

**DNEL worker**

| CAS No.    | Substance name | DNEL type                            | DNEL value             |
|------------|----------------|--------------------------------------|------------------------|
| 10035-04-8 | Calciumchlorid | DNEL acute inhalative (local)        | 10 mg/m <sup>3</sup>   |
| 10035-04-8 | Calciumchlorid | DNEL acute inhalative (systemic)     | 5 mg/m <sup>3</sup>    |
| 10043-35-3 | boric acid     | DNEL long-term dermal (systemic)     | 392 mg/kg              |
| 10043-35-3 | boric acid     | DNEL long-term inhalative (systemic) | 8,28 mg/m <sup>3</sup> |

**DNEL Consumer**

| CAS No.    | Substance name | DNEL type                            | DNEL value             |
|------------|----------------|--------------------------------------|------------------------|
| 10035-04-8 | Calciumchlorid | DNEL acute inhalative (systemic)     | 2,5 mg/m <sup>3</sup>  |
| 10035-04-8 | Calciumchlorid | DNEL acute inhalative (local)        | 5 mg/m <sup>3</sup>    |
| 10043-35-3 | boric acid     | DNEL long-term oral (repeated)       | 0,98 mg/kg             |
| 10043-35-3 | boric acid     | DNEL long-term inhalative (systemic) | 4,15 mg/m <sup>3</sup> |
| 10043-35-3 | boric acid     | DNEL short-term oral (acute)         | 0,98 mg/kg             |
| 10043-35-3 | boric acid     | DNEL long-term dermal (systemic)     | 196 mg/kg              |

**Engineering Controls**

Provide good ventilation. This can be achieved with local or room suction.

**Personal Protection Equipment**

|                    |  |
|--------------------|--|
| <b>Eyes</b>        | Eye glasses with side protection EN 166  |
| <b>Hand</b>        | Suitable material: NBR (Nitrile rubber) Thickness of the glove material >= 0,4 mm Breakthrough time >= 480 min<br>For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. Observe the instructions and details for use, storage, maintenance and replacement provided by the protective glove manufacturer. Penetration time of glove material depending on intensity and duration of exposure to skin. Recommended glove articles: EN ISO 374 |
| <b>Skin</b>        | When handling with chemical substances, protective clothing with CE-labels including the four control digits must be worn. Barrier creams can help protecting exposed skin areas. In no case should they be used after contact.  |
| <b>Respiratory</b> | Usually no personal respiratory protection necessary.  |
| <b>General</b>     | 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**

|   |                        |
|---|------------------------|
| <b>Appearance</b>                       | Brown liquid           |
| <b>Odour</b>                            | Characteristic         |
| <b>Odour Threshold</b>                  | Not available          |
| <b>pH @ 20°C</b>                        | 1.4                    |
| <b>Boiling Point</b>                    | Not available          |
| <b>Melting Point</b>                    | Not available          |
| <b>Freezing Point</b>                   | Not available          |
| <b>Flash Point</b>                      | Not available          |
| <b>Flammability</b>                     | Not available          |
| <b>Upper and Lower Explosive Limits</b> | Not available          |
| <b>Vapour Pressure</b>                  | Not available          |
| <b>Vapour Density</b>                   | Not available          |
| <b>Density @ 20°C</b>                   | 1.39 g/cm <sup>3</sup> |
| <b>Solubilities</b>                     | Very soluble           |
| <b>Partition Coefficient:</b>           | Not available          |
| <b>Auto-ignition Temperature</b>        | Not available          |
| <b>Decomposition Temperature</b>        | Not available          |
| <b>Kinematic Viscosity</b>              | Not available          |
| <b>Particle Characteristics</b>         | Not available          |

**Section 10. Stability and Reactivity**

|   |  |
|---|--|
| <b>Stability of Substance</b>           | This material is stable when stored and used as directed.  |
| <b>Hazardous Reactions</b>              | Keep away from strong acids, strong bases and strong oxidizing agents to avoid exothermic reactions.           |
| <b>Conditions to Avoid</b>              | Hazardous decomposition byproducts may form with exposure to high temperatures.                                |
| <b>Incompatible Materials</b>           | No further relevant information available.   |
| <b>Hazardous Decomposition Products</b> | Dense black smoke occurs during fire. Inhaling hazardous decomposing products can cause serious health damage. |

**Section 11 Toxicological Information**

|                   |                            |
|-------------------|----------------------------|
| <b>Swallowed</b>  | Not applicable.            |
| <b>Dermal</b>     | Not applicable.            |
| <b>Inhalation</b> | Not applicable.            |
| <b>Eye</b>        | Causes serious eye damage. |
| <b>Skin</b>       | Causes severe skin burns.  |

**Chronic Effects:**

|                               |   |
|-------------------------------|---|
| <b>Carcinogenicity</b>        | Not applicable.                           |
| <b>Reproductive Toxicity</b>  | May damage fertility or the unborn child. |
| <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**

Based on available data, the classification criteria are not met.

|                                      |                   |
|--------------------------------------|-------------------|
| <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 |

### Section 13. Disposal Considerations

#### Disposal Method:

Spent media that has removed toxic chemicals should be examined for specific hazards. Spilled product may be recovered for use if it has not come in contact with liquids or been exposed to significant amounts of gaseous contaminants. Dispose of according to Local Regulations.

Ensure any container holding waste product or contaminated spill media is labelled "Hazardous Waste – Corrosive" and that the label also has the Corrosive Pictogram, waste type identifier, and the business name, address, and phone number.

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

### Section 14 Transport Information

**This product is classified as a Dangerous Good for transport in NZ ; NZS 5433:2020 and SNZ HB 5433:2021**



#### Road, Rail, Sea and Air Transport

|                             |   |
|-----------------------------|---|
| <b>UN No</b>                | 1760  |
| <b>Class - Primary</b>      | 8   |
| <b>Packing Group</b>        | III   |
| <b>Proper Shipping Name</b> | CORROSIVE, LIQUID N.O.S   |
| <b>Marine Pollutant</b>     | No  |
| <b>Special Provisions</b>   | If the product's individual container is below 5L, it can be transported as a non-DG as long as the product packaging is still labelled as per DG requirements and the driver is given safety information in accordance with Chapter 3.4 of the UNRTDG. |

### Section 15 Regulatory Information

EPA Approval Code: Fertilisers (Corrosive) – HSR002569

| HSW (HS) Regulations 2017 and EPA Notices | Trigger Quantity                   |
|---|------------------------------------|
| Certified Handler                         | Not required                       |
| Location Certificate                      | Not required                       |
| Tracking Trigger Quantities               | Not required                       |
| Signage Trigger Quantities                | 1000L                              |
| Emergency Response Plan                   | 10 000L                            |
| Secondary Containment                     | 10 000L                            |
| Restriction of Use                        | Only use for the intended purpose. |

### Section 16 Other Information

#### Glossary

Cat Category  
EC<sub>50</sub> Median effective concentration.

Product Name: WUXAL Ascofol Ca XU  
Date of SDS: 26 April 2023

SDS Prepared by: Technical Compliance Consultants (NZ) Ltd  
Tel: 64 9 475 5240 www.techcomp.co.nz

|                  |   |
|------------------|---|
| EEL              | Environmental Exposure Limit.   |
| EPA              | Environmental Protection Authority  |
| HSNO             | Hazardous Substances and New Organisms.   |
| 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 2022 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 New Zealand distributor, if further information is required.

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