

**WUXAL CALCIUM XTRA UPTAKE**

Date of Issue: 22 December 2022

**1. IDENTIFICATION****Product Identifier:** **WUXAL CALCIUM XTRA UPTAKE****Other Means of Identification:** None**Recommended Use of the Chemical and Restrictions on Use:** Fertiliser**Details of Manufacturer or Importer:** Importer: AgNova Technologies Pty Ltd  
Unit 4, 482 Kingsford Smith Drive  
Hamilton, Qld 4007  
Australia  
(03) 9899 8100  
agnova.com.au**Emergency Phone Number:** 1800 033 111 (24 hrs) IXOM ERS  
13 11 26 Poisons Information Centre**2. HAZARD(S) IDENTIFICATION****Classification of the Hazardous Chemical according to GHS:****Signal Word:** Danger

Pictograms: Exclamation mark, Corrosion

**GHS Hazard Class and Category:**Acute Toxicity – Oral - Category 4

Hazard Statement: H302 Harmful if swallowed.

Eye Damage/Irritation - Category 1

Hazard Statement: H318 Causes serious eye damage.

Precautionary Statements:**Prevention**

P264 Wash hands thoroughly after handling.



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P270 Do not eat, drink or smoke when using this product.

P280 Wear eye protection/face protection.

### Response

P301+P312 IF SWALLOWED: call a POISON CENTRE/doctor if you feel unwell.

P330 Rinse mouth.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTRE/doctor.

### Storage

No statements

### Disposal

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**ADG** Not classified as Dangerous Goods according to the Australian  
**Classification:** Code for the Transport of Dangerous Goods by Road and Rail 7<sup>th</sup> Edition (see section 14)

**SUSMP** Not a scheduled poison  
**Classification:** (Standard for Uniform Scheduling of Medicines and Poisons)

### 3. COMPOSITION AND INFORMATION ON INGREDIENTS

Ingredients:	CAS Number:	HCIS Classification	Concentration (wt %):
Ammonium nitrate	6484-52-2	Eye irrit. 2A	1<2
Boric acid	10043-35-3	Repro. tox. 1B	0.1<0.5
Nitric acid, ammonium calcium salt	15245-12-2	–	45<60

### 4. FIRST AID MEASURES

**If poisoning occurs, immediately contact a doctor or Poisons Information Centre (Phone 13 11 26), and follow the advice given. Show this Safety Data Sheet to a doctor.**

#### Description of Necessary First Aid Measures:

**Ingestion:** Rinse mouth thoroughly with water. Seek medical advice immediately. Keep victim calm.

**Inhalation:** Remove casualty to fresh air and keep warm and at rest. In case of respiratory tract irritation, consult a physician.

**Skin Contact:** Remove contaminated, saturated clothing immediately. After contact with skin, wash immediately with plenty of water and soap.



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<b>Eye Contact:</b>	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical advice immediately.
<b>First Aid Facilities:</b>	Provide washing facilities in the workplace.
<b>Symptoms Caused by Exposure:</b>	No known symptoms to date.
<b>Medical Attention and Special Treatment:</b>	Treat symptomatically.

### 5. FIREFIGHTING MEASURES

<b>Suitable Extinguishing Equipment:</b>	Water spray jet, water mist, carbon dioxide, powder. Strong water jet must not be used for safety reasons. The product itself does not burn.
<b>Specific Hazards Arising from the Chemical:</b>	Hazardous combustion products: nitrogen oxides, ammonia.
<b>Special Protective Equipment and Precautions for Firefighters:</b>	In case of fire: Wear self-contained breathing apparatus. Do not allow water used to extinguish fire to enter drains, ground or waterways. Treat runoff as hazardous.

### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions, Protective Equipment and Emergency Procedures:</b>	Provide adequate ventilation. Personal protection equipment: refer to section 8.
<b>Environmental Precautions: Methods and Materials for</b>	Do not allow to enter into surface water or drains.  Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculite, diatomaceous earth) and collect it for

**Containment and Cleaning Up:** disposal in appropriate containers in accordance with the local regulations (see section 13).

**7. HANDLING AND STORAGE**

**Precautions for Safe Handling:** Advice on safe handling:  
 Avoid contact with skin, eyes and clothes. When using do not eat, drink or smoke. Personal protection equipment: refer to section 8. Follow the legal protection and safety regulations.  
Precautions against fire and explosion:  
 No special measures are necessary.

**Conditions for Safe Storage, including any Incompatibilities:** Requirements for storage rooms and vessels:  
 Protect from heat and direct sunlight. Keep container tightly closed. Always keep in containers that correspond to the material of the original container.  
Hints on joint storage:  
 Do not store together with: Food and feeding stuffs.  
Further information on storage conditions:  
 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.

**8. EXPOSURE CONTROLS AND PERSONAL PROTECTION**

**Exposure Control Measures:** DNEL:

Ammonium nitrate:	Dermal; Long term; Systemic; Workers: 21.3 mg/kg Inhalation; Long term; Systemic; Workers: 37.6 mg/m <sup>3</sup>
Boric acid:	Dermal; Long term; Systemic; Workers: 392 mg/kg bw/day Inhalation; Long term; Systemic; Workers: 8.28 mg/m <sup>3</sup> Oral; Short term; Acute; Consumer: 0.98 mg/kg bw/day Oral; Long term; Repeated; Consumer: 0.98 mg/kg Dermal; Long term; Systemic; Consumer: 196 mg/kg bw/day Inhalation; Long term; Systemic; Consumer: 4.15 mg/m <sup>3</sup>

Nitric acid, ammonium calcium salt: Dermal; Long term; Systemic; Workers: 13.9 mg/kg bw/day  
Inhalation; Long term; Systemic; Workers: 24.5 mg/m<sup>3</sup>

**PNEC:**

Ammonium nitrate: aquatic, freshwater: 0.45 mg/L  
aquatic, marine water: 0.045 mg/L  
aquatic, intermittent release: 4.5 mg/L  
sewage treatment plant (STP): 18 mg/L  
Boric acid: aquatic, freshwater: 2.02 mg B/L  
aquatic, marine water: 2.02 mg B/L  
soil: 5.4 mg B/kg  
sewage treatment plant (STP): 10 mg B/L  
Nitric acid, ammonium calcium salt: aquatic, freshwater: 0.45 mg/L  
aquatic, marine water: 0.045 mg/L  
aquatic, intermittent release: 4.5 mg/L

**Biological Monitoring:** No data available.

**Control Banding:** No data available.

**Engineering Controls:** None specified.

**Individual Protection Measures, for example, Personal Protective Equipment (PPE):** Technical measures and the application of suitable work processes have priority over personal protection equipment. See section 7. No additional measures necessary.  
*Eye protection:* Wear eye glasses with side protection.  
*Hand protection:* For prolonged or repeated handling the following glove material must be used: e.g. NBR (Nitrile rubber).  
Thickness of the glove material: No data available. Breakthrough time (maximum wearing time): No data available.  
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. Barrier creams can help protect exposed skin areas. In no case should they be used after contact.  
*Respiratory protection:* Usually no personal respiratory protection is necessary.

*Thermal hazards:* No data available.

*Additional protective measures:* After contact clean skin thoroughly with water and soap or use appropriate cleanser.

**Environmental Exposure Controls:** Do not allow to enter into surface water or drains. See section 7. No additional measures necessary.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Dark green liquid
<b>Odour:</b>	Characteristic
<b>pH (20°C):</b>	5
<b>Vapour Pressure:</b>	Not applicable
<b>Boiling Point:</b>	Not determined
<b>Solubility:</b>	Very soluble in water
<b>Density (20°C):</b>	1.64 g/cm <sup>3</sup>
<b>Flash Point:</b>	Not applicable
<b>Auto-Ignition Temperature:</b>	Not available
<b>Explosion Limits:</b>	Not applicable
<b>Viscosity (20°C):</b>	Not determined

## 10. STABILITY AND REACTIVITY

<b>Reactivity:</b>	Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to section 7.
<b>Chemical Stability:</b>	Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to section 7.
<b>Possibility of Hazardous Reactions:</b>	No hazardous reactions when handled and stored according to provisions.
<b>Conditions to Avoid:</b>	Protect from heat and direct sunlight.

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**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.

**11. TOXICOLOGICAL INFORMATION**

**Acute Toxicity:** WUXAL Calcium Xtra Uptake oral, LD50, Rat: 879 mg/kg; evaluation Harmful if swallowed. Method: ATEmix calculated: Calculation method.

Nitric acid, ammonium calcium salt oral, LD50, Rat: 500 mg/kg; evaluation Harmful if swallowed. Method: OECD 423

**Skin Corrosion/Irritation:** Toxicological data are not available.

**Serious Eye Damage/Irritation:** WUXAL Calcium Xtra Uptake Eyes: evaluation Causes serious eye damage. Calculation method.

Ammonium nitrate Eyes, Rabbit: evaluation Causes serious eye irritation. Method: OECD 405

Nitric acid, ammonium calcium salt Eyes, Rabbit (24 h): evaluation Causes serious eye damage. Method: OECD 405

**Respiratory or Skin Sensitisation:** Based on available data, the classification criteria are not met.

**Germ Cell Mutagenicity/ Carcinogenicity/ Reproductive Toxicity:** Based on available data, the classification criteria are not met. Overall Assessment on CMR (Carcinogenic, Mutagenic and Reprotoxic) properties Boric acid classified as 'Reprod. Tox cat 1B' Classification according to HCIS

**Specific Target Organ Toxicity (STOT) – single exposure:** Based on available data, the classification criteria are not met.



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**Specific Target Organ Toxicity (STOT) – repeated exposure:** Toxicological data are not available.

**Aspiration Hazard:** Based on available data, the classification criteria are not met.

**Information on Likely Routes of Exposure:**

See section 4

**Delayed and immediate effects as well as chronic effects from short and long-term exposure:**

See above and section 4

### 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No data available.

**Persistence and Degradability:** No data available.

**Bioaccumulative Potential:** No data available.

**Mobility in Soil:** No data available.

**Other Adverse Effects:** No data available.

### 13. DISPOSAL CONSIDERATIONS

**Disposal Containers and Methods:**

Do not allow to enter into surface water or drains. This material and its container must be disposed of in a safe way. Waste disposal according to local requirements.

Dispose of contents/container in accordance with local/regional/national/international regulations.





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### 14. TRANSPORT INFORMATION

**Not a dangerous good when transported by land, sea or air.**

**Not classified as a Dangerous Good** according to the Australian Code for the Transport of Dangerous Goods by Road and Rail 7<sup>th</sup> Edition.

**UN Number:** Not applicable.

**Proper Shipping Name or Technical Name:** Not applicable.

**Transport Hazard Class:** Not applicable.

**Packing Group:** Not applicable.

**Environmental Hazards for Transport Purposes:** Not applicable.

**Special Precautions for User:** Transport always in closed, upright and safe containers. Make sure that persons transporting the product know what to do in case of an accident or leakage. For advice on safe handling: see sections 6 – 8.

**Additional Information:** Not applicable.

**Hazchem Code:** Not applicable.

### 15. REGULATORY INFORMATION

**APVMA:** Registration not required

**SUSMP:** Not scheduled

### 16. OTHER INFORMATION

**Date of Preparation or Revision:** 22 December 2022.

**Reason for Revision:** To comply with GHS 7.



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**Abbreviations and Acronyms:** APVMA – Australian Pesticides and Veterinary Medicines Authority  
DNEL – Derived No Effect Level  
GHS – Globally Harmonized System of Classification and Labelling of Chemicals  
PNEC – Predicted No Effect Concentration  
SUSMP – Standard for the Uniform Scheduling of Medicines and Poisons

**Data Sources:** Manufacturer product safety data and published data

This SDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this SDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products.

The opinions expressed herein are those of qualified experts with the manufacturer. Since the use of this information and of these opinions and the conditions of use of this product are not within the control of AgNova Technologies Pty Ltd, it is the user's obligation to determine the conditions of safe use of the product.

END OF SDS