

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
Suite 3/935 Station Street
Box Hill North Vic 3129
Australia
(03) 9899 8100
agnova.com.au**Emergency Phone Number:** 1800 033 111 (24 hrs)**2. HAZARD(S) IDENTIFICATION**

Pictogram: Exclamation Mark, Corrosion

Classification of the Hazardous Chemical according to GHS*:Acute Toxicity – Oral - Category 4: 'Warning'
Hazard Statement: H302 Harmful if swallowed.Eye Damage/Irritation - Category 1: 'Danger'
Hazard Statement: H318 Causes serious eye damage.Precautionary Statements:**Prevention**

P280: Wear eye protection/face protection.

Response

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

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 CENTER/doctor.



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Storage

No statements.

Disposal

No statements.

ADG

Not classified as Dangerous Goods according to the Australian

Classification:

Code for the Transport of Dangerous Goods by Road and Rail 7th 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.

Eye contact:

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical advice immediately.

First Aid

Provide washing facilities in the workplace.

Facilities:

Symptoms

No known symptoms to date.

Caused by

Exposure:



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Medical Attention and Special Treatment: Treat symptomatically.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Equipment: Water spray jet, water mist, carbon dioxide, powder. Strong water jet must not be used for safety reasons. The product itself does not burn.

Specific Hazards Arising from the Chemical: Hazardous combustion products: nitrogen oxides, ammonia.

Special Protective Equipment and Precautions for Fire Fighters: 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

Personal Precautions, Protective Equipment and Emergency Procedures: Provide adequate ventilation. Personal protection equipment: refer to section 8.

Environmental Precautions: Do not allow to enter into surface water or drains.

Methods and Materials for Containment and Cleaning Up: Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculite, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see section 13).

7. HANDLING AND STORAGE

Precautions for Advice on safe handling:



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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 Standards:	<u>DNEL:</u>	
	Ammonium nitrate:	Dermal; Long term; Systemic; Workers: 21.3 mg/kg Inhalation; Long term; Systemic; Workers: 37.6 mg/m ³
	Boric acid:	Dermal; Long term; Systemic; Workers: 392 mg/kg bw/day Inhalation; Long term; Systemic; Workers: 8.28 mg/m ³ 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 ³
	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 ³

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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 according to EN 166.

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. Recommended glove articles: DIN EN 374.

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.

Environment Do not allow to enter into surface water or drains. See section 7. No

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al exposure additional measures necessary.
controls:

9. PHYSICAL AND CHEMICAL PROPERTIES

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

10. STABILITY AND REACTIVITY

Reactivity:	Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to section 7.
Chemical Stability:	Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to section 7.
Possibility of Hazardous Reactions:	No hazardous reactions when handled and stored according to provisions.
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.

11. TOXICOLOGICAL INFORMATION

Data on the toxicological properties of the product itself are not available.

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):
 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 EC regulation 1272/2008 (CLP)

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

Specific Target Organ Toxicity (STOT) – Toxicological data are not available.



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repeated exposure:

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 7th 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

*** This mixture is classified as hazardous according to regulation (EC) No. 1272/2008 [CLP].**

Acute Tox. 4/H302	Acute toxicity (oral)	harmful if swallowed.
Eye Dam. 1/H318	serious eye damage/eye irritation	causes serious eye damage

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



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NOHSC – National Occupational Health and Safety Commission
PNEC – Predicted No Effect Concentration
SUSMP – Standard for the Uniform Scheduling of Medicines and Poisons

Date of Preparation or Revision: 31 July 2020

Reason for Revision: Not applicable (Initial version)

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