



MATERIAL SAFETY DATA SHEET

WUXAL[®] Calcium

Date of Issue: June 2012

1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND SUPPLIER

Product Name: WUXAL[®] Calcium
Other Names: 22083
Manufacturer: AGLUKON Spezialdunger GmbH & Co. KG
Heerdter Landstraße 199
40549 Dusseldorf, Germany
Supplier: AgNova Technologies Pty Ltd
ABN: 70 097 705 158
Address: P.O. Box 2069
Box Hill North, Vic
Australia
Telephone: (03) 9899 8100
Facsimile: (03) 9899 8500
Website: www.agnova.com.au
Contact: Managing Director
Emergency Telephone Number: 1800 033 111 (24 hrs)

2. HAZARDS IDENTIFICATION

Calcium nitrate fertilizer suspension with magnesium and with micronutrients

Hazard Designation: Not classified as Hazardous according to the criteria of Safe Work Australia
Risk Phrases: R8 Contact with combustible material may cause fire
R 36 Irritating to eyes
Safety Phrases: None allocated
ADG: Not dangerous good
Classification:
SUSMP: Not scheduled
Classification: (Standard for Uniform Scheduling of Medicines and Poisons)

3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients:	CAS Number:	Concentration (%):
Calcium nitrate	13477-34-4	10 - 50



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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 Material Safety Data Sheet to a doctor.

- Ingestion:** Contact Poisons Information Centre (131126). Rinse mouth with water and follow doctor's advice.
- Inhalation:** Remove to fresh air. Apply artificial respiration if necessary. Get medical help if breathing difficulty persists.
- Skin contact:** Remove contaminated clothing and wash skin thoroughly with soap and water. Obtain medical attention if irritation persists. Wash clothing before re-use.
- Eye contact:** Immediately flush eyes with water for 15 minutes. If irritation persists see a doctor.
- First Aid Facilities:** Provide washing facilities in the workplace.
- Medical attention:** No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

5. FIRE FIGHTING MEASURES

- Extinguishing Media:** Water, carbon dioxide, dry extinguishing media, foam.
- Hazards from Combustion Products:** The material itself is harmless. Ambient fire may liberate hazardous vapours. If larger quantities of the product are on fire, the formation of nitrous gases and ammonia is possible.
- Precautions for Fire Fighters:** Do not stay in dangerous zone without suitable chemical protective clothing and self contained breathing apparatus.



6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:

Avoid substance contact. Wear appropriate protective clothing including eye and hand protection.

Environmental Precautions:

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

Methods for Cleaning Up:

Absorb with suitable absorbent media. Dispose of contaminated material as waste according to section 13.

Observe local government regulations.

7. HANDLING AND STORAGE

Handling:

Handling Precautions

Wear suitable protective clothes. See section 8.

Other Precautions:

None.

Storage:

Store in the closed, original container in a dry, cool, well-ventilated area out of direct sunlight. Temperature should not fall below +5⁰C or go above +40⁰C. A reversible separation of ingredients may occur after long storage; this however does not affect the quality or effectiveness of the product. Protect the product from any contamination or drying out.

Keep away from food, drink and animal feeds.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Standards:

The preparation contains no constituents with occupational exposure limits.

Engineering Controls:

No specific controls required.
Wash hands and face after use. Remove any soiled clothing immediately.

Personal Protective Equipment:

Hand protection: rubber or plastic gloves
Eye protection: safety goggles
Skin and body protection: work clothes

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Aqueous crystal suspension
Odour:	Product specific
Colour:	green
Vapour Pressure:	Not applicable
Density at 20⁰C:	Approx. 1.6 g/cm ³
Boiling Point:	Not applicable
Melting Point:	Not available
Solubility in water:	Approx. 200 g/L @ 20 ⁰ C
pH:	Approx. 6.5
Flash Point:	Not available
Flammability	Not flammable
(explosive) Limits:	
Auto-Ignition Temperature:	Not available. The product is not spontaneously flammable.
Formulation:	Aqueous crystal suspension

10. STABILITY AND REACTIVITY

Chemical Stability:	Stable under normal storage conditions.
Hazardous Polymerisation:	Not available
Conditions to Avoid:	Avoid temperatures below 5 ⁰ C and above 40 ⁰ C.
Incompatible Materials:	Avoid organic combustible substances, reducing agents.
Hazardous Decomposition Products:	If large quantities of the product are on fire, the formation of nitrous gas is possible.

11. TOXICOLOGICAL INFORMATION**Product**

Oral Toxicity: LD₅₀ Oral Mouse = 13.1 g/kg
LD₅₀ Oral Rat = 10.3 g/kg

Dermal Toxicity: No data available

Inhalation Toxicity: After inhalation of aerosols; slight irritation symptoms in the respiratory tract.

Skin Irritation: Slight irritations

Eye Irritation: Slight irritations

Sensitisation: No data available

Mutagenicity: No data available

Significant Data with Possible Relevance to Human Health

After swallowing ; possible symptoms are nausea and vomiting.

The following applies to nitrites/nitrates in general: methaemoglobinaemia after uptake of large quantities.

12. ECOLOGICAL INFORMATION

Ecotoxic effects:

Quantitative data on the ecological effect of this product are not available.

The following applies to nitrates in general: may contribute to the eutrophication of water supplies. Hazard for drinking water. Fish: LC50 > 500 mg/l.

Ensure that the product does not reach the groundwater, water bodies or the drainage system. No ecological problems are to be expected when the product is handled and used with due care and attention.

13. DISPOSAL CONSIDERATIONS

1) *After Intended Use:*

Empty containers and product should not be burnt. Follow local government requirements.

2) *After Spill or Accident:*

Dispose of sealed containers at an approved local waste disposal site marked and set up for this purpose clear of waterways, desirable vegetation and tree roots.



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14. TRANSPORT INFORMATION

Transport Classification:	Not classified as dangerous
UN Number:	Not classified as dangerous
Proper Shipping Name:	Not classified as dangerous
Class and Subsidiary Risk:	Not classified as dangerous
Packing Group:	Not classified as dangerous
EPG:	Not classified as dangerous
Hazchem Code:	Not classified as dangerous

15. REGULATORY INFORMATION

Not relevant.

16. OTHER INFORMATION

Trademark Information:	Wuxal is a registered trademark of AGLUKON Spezialdunger GmbH & Co. KG
Abbreviations and Acronyms:	APVMA – Australian Pesticides and Veterinary Medicines Authority SUSMP – Standard for the Uniform Scheduling of Medicines and Poisons
Preparation Information:	Information taken from Aglukon Safety Data Sheet issued on 30-01-2003 and revised on 27-09-2011
Data Sources:	Manufacturer product safety data and published data

This MSDS 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 MSDS 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.



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END OF MSDS