



SAFETY DATA SHEET

WUXAL LIQUID

Date of Issue: 2 May 2022

1. IDENTIFICATION

Product Identifier: WUXAL LIQUID

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
Phone (03) 9899 8100
Email info@agnova.com.au
agnova.com.au

Emergency Phone Number: 1800 033 111 (24 hrs)

2. HAZARD(S) IDENTIFICATION

GHS Classification: Not classified as hazardous according to GHS

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

SUSMP Classification: Not a scheduled poison
(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	3<5



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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 Safety Data Sheet to a doctor.

Description of Necessary First Aid Measures:

Ingestion:	Rinse mouth thoroughly with water.
Inhalation:	Move victim to fresh air.
Skin contact:	Wash 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. In case of eye irritation, consult an ophthalmologist.
First Aid Facilities:	Provide washing facilities in the workplace.
Symptoms Caused by Exposure:	No known symptoms to date.
Medical Attention and Special Treatment:	Treat symptomatically.

5. FIREFIGHTING 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, phosphorus oxides
Special Protective Equipment and Precautions for Firefighters:	Provide a conveniently located respiratory protective device. 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 Safe Handling:	<p><u>Advice on safe handling:</u> 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.</p> <p><u>Further information:</u> No special measures are necessary.</p>
Conditions for Safe Storage, including any Incompatibilities:	<p><u>Requirements for storage rooms and vessels:</u> Protect from heat and direct sunlight. Keep container tightly closed. Always keep in containers that correspond to the material of the original container.</p> <p><u>Hints on joint storage:</u> Do not store together with: Food and feeding stuffs.</p> <p><u>Further information on storage conditions:</u> Take care of instructions on label. Store in a well-ventilated and dry room at temperatures between 5°C and 40°C.</p>

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Standards:	Occupational exposure limit values: not applicable
	<p><u>DNEL:</u> Ammonium nitrate: Dermal; Long term; Systemic; Workers: 21.3 mg/kg</p>



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Inhalation; Long term; Systemic; Workers:
37.6 mg/m³

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

Biological Monitoring: No data available.

Control Banding: No data available.

Engineering Controls: None specified

Individual Protection Measures, for example, Personal Protective Equipment (PPE):

Eye protection: Wear closely fitting protective glasses in case of splashes.

Skin protection:

Hand: 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.

Body: Wear suitable protective clothing, e.g. from cotton wool or heat resistant synthetic fibre

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

Physical State: Liquid
Colour: Green
Odour: Characteristic
pH (20°C): 5.5

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Vapour Pressure:	Not applicable
Boiling Point:	Not determined
Solubility:	Very soluble in water
Density (20°C):	1.24 g/cm ³
Flash Point:	Not applicable
Auto-Ignition Temperature:	Not applicable
Explosion Limits:	Not applicable
Viscosity (20°C):	Not determined

10. STABILITY AND REACTIVITY

Reactivity:	No information available.
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, phosphorus oxides.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity:	Based on available data, the classification criteria are not met.
Skin Corrosion/Irritation:	Toxicological data are not available.
Serious Eye Damage/Irritation:	Ammonium nitrate Eyes, Rabbit.: evaluation Causes serious eye irritation. Method: OECD 405
Respiratory or Skin	Based on available data, the classification criteria are not met.

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Sensitisation:

Germ Cell Mutagenicity: Based on available data, the classification criteria are not met. The ingredients in this mixture do not meet the criteria for classification as CMR category 1A or 1B according to CLP.

Carcinogenicity : Based on available data, the classification criteria are not met. The ingredients in this mixture do not meet the criteria for classification as CMR category 1A or 1B according to CLP.

Reproductive Toxicity: Based on available data, the classification criteria are not met. The ingredients in this mixture do not meet the criteria for classification as CMR category 1A or 1B according to CLP.

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

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

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

Persistence and Degradability: No data available.

Bioaccumulative Potential: No data available.



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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 directive 2008/98/EC, covering waste and dangerous waste. Non-contaminated packages may be recycled.

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



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15. REGULATORY INFORMATION

APVMA Registration not required

SUSMP Not scheduled

16. OTHER INFORMATION

Date of Preparation or Revision: 2 May 2022.

Reason for Revision: 5-year review. Sections revised:
Section 1: Contact details updated
Section 7: Revised statement under Precautions for Safe Handling
Section 8: Added statements re: occupational exposure limit values; body protection
Section 9: Properties updated as per manufacturer SDS
Section 10: Updated reactivity statement as per manufacturer SDS
Section 11: Updated toxicological data as per manufacturer SDS
Section 12: Updated ecotoxicity statement as per manufacturer SDS

Abbreviations and Acronyms: APVMA – Australian Pesticides and Veterinary Medicines Authority
CLP – Classification, Labelling and Packaging
CMR – Carcinogenic, Mutagenic and Reprotoxic
DNEL – Derived No Effect Level
GHS – Globally Harmonised System of Classification and Labelling of Chemicals
HCIS – Hazardous Chemical Information System
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