

Section 1 - Identification of the Material and Supplier

Product Name: Prolific Blue AN

Other Means of Identification: Mixture

Recommended Use of the Chemical and Restriction on Use: Agricultural, horticultural, turf and amenity fertiliser.

Details of Manufacturer, Importer or Supplier:

Australian Agribusiness (Holdings) Pty Ltd
Suite 201, Level 2, 3 Rider Boulevard
Rhodes NSW 2138

Phone number: 02 9395 1200 (office hours)

This version Issued: March 2025 and is valid for 5 years from this date.

Emergency telephone number: National Poisons Information Centre: Phone 13 11 26

Section 2 - Hazards Identification

Hazardous Nature:

Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.

Not Classified as Dangerous Goods according to the Australian Code for Transport of Dangerous Goods by Road and Rail (7th edition), IATA and IMDG/IMSBC.



Serious Eye Damage/Eye Irritation: Category 2A

Signal word: Warning.

Hazard Statements:

H319: Causes serious eye irritation.

Precautionary Statements:

P264: Wash contacted areas thoroughly after handling.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

P337+P313: If eye irritation persists get medical advice/attention.

Section 3 - Composition/Information on Ingredients

Chemical Characterisation: Mixture

Description: Mixture of substances listed below.

Ingredients:		
CAS: 7778-80-5	Potassium sulphate	30 – 35%
CAS: 7783-28-0	Diammonium phosphate	25 – 30%
CAS: 6484-52-2	Ammonium nitrate	20 – 25%
CAS: 7487-88-9	Magnesium sulphate	10 – 15%
CAS: 1309-37-1	Iron oxide	<1%
CAS: 1314-13-2	Zinc oxide	<1%
CAS: 12007-56-6	Calcium borate	<1%

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Section 4 - First Aid Measures

Inhalation: If inhaled, remove to fresh air. Seek medical attention if breathing problems develop.

Skin Contact: In case of skin contact, immediately remove contaminated clothing and wash affected areas with water and soap. Seek medical attention if irritation occurs.

Eye Contact: In case of eye contact, rinse continuously with water, including under eyelids. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. Seek medical attention if irritation persists.

Ingestion: If swallowed, do not induce vomiting. Immediately rinse mouth with water. Never give anything by mouth to an unconscious person. Seek medical attention if feeling unwell.

Inhalation: May cause irritation of the respiratory tract.

Skin: Contact may result in irritation, redness, rash and dermatitis.

Eye: Contact may result in irritation, lacrimation, pain and redness.

Ingestion: May be harmful and result in gastric disturbance such as nausea and vomiting if ingested in large quantities.

Section 5 - Fire Fighting Measures

Suitable Extinguishing Media: Use fire extinguishing methods suitable to surrounding conditions.

Specific Hazards Arising from the Chemical:

May evolve ammonia and nitrogen oxides when heated to decomposition.

Product is not flammable.

Containers close to fire should be removed if only safe to do so. Use water fog to cool intact containers and nearby storage areas.

Minimise run-off from firefighting entering drains and water courses.

Special Protective Equipment and Precautions for Fire Fighters:

When fighting a major fire wear self-contained breathing apparatus and protective equipment. Toxic gases may be evolved in a fire situation.

Section 6 - Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures:

Wear protective equipment. Keep unprotected persons away. Contact emergency services where appropriate.

Environmental precautions: In the event of a major spill, prevent spillage from entering drains or water courses.

Methods and Materials for Containment and Cleaning Up:

Stop leak if safe to do so and sweep granules into a pile and shovel into drums for subsequent disposal if contaminated or return to original stockpile if not contaminated. Avoid generating dust. Provide adequate ventilation. Decontaminate spill area with detergent and water.

Section 7 - Handling and Storage

Precautions for Safe Handling:

Use of safe work practices are recommended to avoid eye or skin contact and inhalation of dust.

Food, beverages and tobacco products should not be stored or consumed where this material is in use.

Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eye wash fountains and safety showers in close proximity to points of potential exposure.

Conditions for Safe Storage:

Store in a cool, dry and well-ventilated area. Keep container tightly closed when not in use.

Section 8 - Exposure Controls and Personal Protection

Exposure Standards:

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No specific exposure standards are available for this product.

Exposure Standards:	
Nuisance dust	
WES	TWA: 10 mg/m ³

Personal Protection:

The following Australian Standards will provide general advice regarding safety clothing and equipment:

Respiratory equipment: **AS/NZS 1715 and 1716**, Protective Gloves: **AS 2161**, Occupational Protective Clothing: **AS/NZS 4501**, Industrial Eye Protection: **AS/NZS 1337**.

Engineering Controls: Natural ventilation should be adequate under conditions of normal use.

Respirator Protection:

Where an inhalation risk exists, at low dust levels, wear a dust mask. At high nuisance dust levels and ventilation is inadequate, wear an approved particulate respirator (filter type P), either full-face-piece or half mask plus goggles. See above AS/NZS standards for more information.

Skin Protection:

Skin protection is not required under normal use conditions.

For prolonged or repeated contact, use protective gloves. See above AS/NZS standards for more information.

When selecting gloves for use against certain chemicals, the degradation resistance, permeation rate and permeation breakthrough time should be considered.

Occupational protective clothing (depending on conditions in which it has to be used, in particular as regards the period for which it is worn, which shall be determined on the basis of the seriousness of the risk, the frequency of exposure to the risk, the characteristics of the workstation of each worker and the performance of the protective clothing). See above AS/NZS standards for more information.

Eye and Face Protection: Eye and face protectors against splashing materials or liquids. See above AS/NZS standards for more information.

Section 9 - Physical and Chemical Properties:

Appearance:

Form:	Solid granule
Colour:	Blue
Odour:	Slight.
Odour Threshold:	No information available.
pH-Value:	5 (approximately).
Freezing Point/Melting Point:	No information available.
Initial Boiling Point/Boiling Range:	No information available.
Flash point:	Not applicable.
Flammability (solid, gas):	No information available.
Autoignition temperature:	No information available.
Decomposition Temperature:	No information available.
Explosion Limits:	
Lower:	Not applicable.
Upper:	Not applicable.
Vapour Pressure:	No information available.
Relative Density:	No information available.
Vapour Density:	No information available.
Evaporation Rate:	No information available.
Solubility in Water:	Slightly soluble.
Partition Coefficient (n-octanol/water):	No information available.
Viscosity:	No information available.

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Section 10 - Stability and Reactivity

Possibility of Hazardous Reactions: No dangerous reactions known under conditions of normal use.

Chemical Stability: Stable at ambient temperatures and under normal conditions of storage and use.

Conditions to Avoid: Avoid heat, sparks, open flames and other ignition sources.

Incompatibilities: Incompatible with combustible materials and reducing agents (e.g sulphites).

Hazardous Decomposition Products: May evolve ammonia and nitrogen oxides when heated to decomposition.

Section 11 - Toxicological Information

Toxicity:

LD50/LC50 Values:		
CAS: 7778-80-5 Potassium sulphate		
Oral	LD50	6,600 mg/kg (Rattus norvegicus (rat))
Dermal	LD50	>2,000 mg/kg (Rattus norvegicus (rat))
CAS: 6484 Ammonium nitrate		
Oral	LD50	2,217 mg/kg (Rattus norvegicus (rat))
Dermal	LD50	>5,000 mg/kg (Rattus norvegicus (rat))

Acute Health Effects

Inhalation: May cause irritation of the respiratory tract.

Skin: Contact may result in irritation, redness, rash and dermatitis.

Eye: Contact may result in irritation, lacrimation, pain and redness.

Ingestion: May be harmful if swallowed in large quantities.

Skin Corrosion/Irritation: Based on classification principles, the classification criteria are not met.

Serious Eye Damage/Irritation: Causes serious eye irritation.

Respiratory or Skin Sensitisation: Based on classification principles, the classification criteria are not met.

Germ Cell Mutagenicity: Based on classification principles, the classification criteria are not met.

Carcinogenicity:

Based on classification principles, the classification criteria are not met.

Reproductive Toxicity:

Based on classification principles, the classification criteria are not met.

Specific Target Organ Toxicity (STOT) – Single Exposure:

Based on classification principles, the classification criteria are not met.

Specific Target Organ Toxicity (STOT) – Repeated Exposure:

Based on classification principles, the classification criteria are not met.

Aspiration Hazard: Based on classification principles, the classification criteria are not met.

Chronic health Effects: No data associated with long term effects.

Existing Conditions Aggravated by Exposure: No data available.

Section 12 - Ecological Information

Ecotoxicity:

Aquatic toxicity:

No adverse ecological effects are expected. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Persistence and Degradability: No data available on finished product.

Bioaccumulative Potential: No data available on finished product.

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Mobility in soil: No data available on finished product.

Other adverse effects: No further relevant information available.

Section 13 - Disposal Considerations

Disposal Methods and Containers:

Dispose according to applicable local and state government regulations.

Special Precautions for Landfill or Incineration:

Please consult your state Land Waste management Authority for more information.

Section 14 - Transport Information

UN Number: Not regulated.

Proper Shipping Name: Not regulated.

Dangerous Goods Class: Not regulated.

Packing Group: Not regulated.

Section 15 - Regulatory Information

Australian Inventory of Industrial Chemicals:

All components are on the inventory or in compliance with the inventory.

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) – Poison Schedule:

Not a scheduled poison.

Section 16 - Other Information

This SDS contains only safety-related information. For other data see product literature.

Acronyms:

ADG	Australian Dangerous Goods	LC50	Lethal concentration, 50 percent
IMDG	International Maritime Dangerous Good	LD50	Lethal dose, 50 percent
IATA	International Air Transport Authority	STOT	Specific Target Organ Toxicity
GHS	Globally Harmonised System of Classification and Labelling of Chemicals	NES:	National Exposure Standard (Safe Works Australia – Workplace Exposure Standards for Airborne Contaminants)
IARC	International Agency for Research on Cancer	TWA	Time Weighted Average
CAS number	Chemical Abstracts Service Registry Number	UN Number	United Nations Number

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 MUST REVIEW THIS SDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE.

IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY SO WE CAN ATTEMPT TO OBTAIN ADDITIONAL INFORMATION FROM OUR SUPPLIERS

OUR RESPONSIBILITY FOR PRODUCTS SOLD IS SUBJECT TO OUR STANDARD TERMS AND CONDITIONS, A COPY OF WHICH IS SENT TO OUR CUSTOMERS AND IS ALSO AVAILABLE ON REQUEST.

Please read all labels carefully before using product.

This SDS is prepared in accord with the SWA document “Preparation of Safety Data Sheets for Hazardous Chemicals

- Code of Practice” (July 2020) and GHS Revision 7

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