



Section 1 - Identification of The Material and Supplier

Australian Agricultural Marketing Organisation Pty Ltd
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Chemical nature: Fertiliser granules
Trade Name: **ALZON neo-N**
Other Names: N/A
Product Use: Fertiliser
Creation Date: **April, 2025**
This version issued: **April, 2025** and is valid for 5 years from this date.
Poisons Information Centre: Phone 13 1126 from anywhere in Australia

Section 2 - Hazards Identification

Statement of Hazardous Nature

This product does not meet the criteria according to regulation 1272/2008/EC.

Not a Dangerous Good according to Australian Dangerous Goods (ADG) Code, IATA or IMDG/IMSBC criteria.

SUSMP Classification: None allocated.

ADG Classification: None allocated. Not a Dangerous Good according to Australian Dangerous Goods (ADG) Code, IATA or IMDG/IMSBC criteria.

UN Number: None allocated

GHS Signal word:

Not Required

HAZARD STATEMENT:

Not Required

PREVENTION

Not Required

RESPONSE

Not Required

STORAGE

P403+P233: Store in a well-ventilated place. Keep container tightly closed.

DISPOSAL

P501: If they cannot be recycled, dispose of contents to an approved waste disposal plant and containers to landfill (see Section 13 of this SDS).

OTHER HAZARDS

Potential environmental effects:

Slightly water endangering.

Emergency Overview

Physical Description & Colour: Neon green granules
Odour: Characteristic odour.
Major Health Hazards: No major Hazards identified.

Section 3 - Composition/Information on Ingredients

Ingredients	CAS No	Conc, %	TWA (mg/m ³)	STEL (mg/m ³)
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Mixture related information

DESCRIPTION:

Urea with nitrification and urease inhibitor

COMPONENTS:

Substance Name	% (mass)	
Urea	>=98	CAS-no.:57-13-6 EC-No.: 200-315-5 REACH No.: 01-2119463277-33-XXXX

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Section 4 - First Aid Measures

DESCRIPTION AND FIRST AID MEASURES

General Information: If symptoms persist, call a physician. Show this safety data sheet to the doctor in attendance.

Inhalation: Remove to fresh air.

Skin Contact: Wash off with soap and water.

Eye Contact: If eye irritation persists, consult a physician.

Ingestion: Clean mouth with water and drink afterwards plenty of water.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED
None known

Section 5 - Fire Fighting Measures

Extinguishing Media:
Suitable Extinguishing media: Use appropriate extinguishing agents for the environment.

Special Hazards arising from the substance or mixture
Hazardous combustion products: Ammonia

Advice for fire-fighters:
Self-contained breathing apparatus (EN 133). Chemical protection clothing.

Additional Advice:
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Collect contaminated fire extinguishing water separately. This must not be discharged to drains.

Section 6 - Accidental Release Measures

Personal precautions, protective equipment and emergency procedures
No special precautions required. Forms slippery surfaces in contact with water.

Environmental precautions
Do not let enter drains/ surface water/ ground water.

Methods and materials for containment and cleaning up
Pick up when dry. Avoid dust formation. Put into suitable containers and take to recycling or disposal.

Reference to other sections
For further information see section 8 of the safety data sheet.

Section 7 - Handling and Storage

Precautions and safe handling
Fire prevention measures: No special precautions required.

Environmental precautions: Observe and comply with any legislation governing the storage or use of water-hazardous substances.

Conditions for safe storage, including incompatibilities
Requirements for storage areas and containers : Keep in dry place. Keep in closed storage rooms or in a room protected from atmospheric influences. Resistant and impermeable floor surface.

Specific end use(s)
There are no other specific uses except of the ones mentioned in section 1.

Section 8 - Exposure Controls and Personal Protection

Control Parameters

Exposure limit(s):

Components	CAS-Nr	Control Parameters	Ceiling Limit Value		Update	Basis
Alveolar dust fraction		1.25 mg/m ³		AGW	02/2014	TRGS 900
Inhalable dust		10 mg/m ³		AGW	02/2014	TRGS 900

Biological occupations exposure limits : Contains no substances with biological limit values.

Exposure controls

Personal Protective Equipment:

Eye Protection: Not Required

Hand Protection: Not Required

Skin and body protection : No special protective equipment required

Hygiene measures: Wash hands before breaks and at the end of workday.

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General protective measures:

Avoid prolonged and intensive skin contact.

Section 9 - Physical and Chemical Properties:

Information on basic physical and chemical properties

Physical state	Solid, granular	
Colour	Neon green	
Odour	Slightly ammoniacal	
Odour Threshold		No data available
pH		No data available
Melting point/Range		No data available
Boiling point/Range		No data available
Decomposition temperature		No data available
Flash point		Not applicable
Evaporation rate		No data available
Vapour pressure		No data available
Vapour density (20°C)		No data available
Relative density		No data available
Bulk density	Ca. 730kg/m ³	
Water solubility (20°C)	1080g/l	
Partition coefficient: n-octanol/water (log/Pow)	-1.59	Relating to urea
Viscosity, dynamic		Not applicable
Oxidizing properties		No data available
Auto-flammability		No data available
Flammability (solids)		No data available
Upper exposure limit		For solid materials not relevant for classification and labelling.
Explosive properties		No data available
Lower explosive limit		For solid materials not relevant for classification or labelling.

Other data

none

Section 10 - Stability and Reactivity

Reactivity: Stable at normal ambient temperature and pressure.

Chemical stability: No decomposition if used as directed.

Possibility of hazardous reactions: Violently with nitrites. With strong oxidising agents.

Condition to avoid: Uncontrolled heating.

Incompatible materials to avoid: This product will not undergo polymerisation reactions.

Hazardous decomposition products: Ammonia. Nitrogen oxides (NO_x). Carbon dioxide (CO₂). Carbon monoxide

Section 11 - Toxicological Information

Information on toxicological effects

Acute oral toxicity:	Test substance	Urea
	Dose LD50:	14300 mg/kg
	Species:	Rat
Acute inhalation toxicity:	Test substance	Urea
	Study based on exposure observations not required.	
Acute dermal toxicity	Test substance	Urea
	Study not provided with scientific basis.	
Skin Irritation:	Test substance	Urea
	Result:	non-irritant
Eye irritation:	Test substance	Urea
	Result	Non irritant

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Respiratory or skin sensitisation:	Test Substance	Urea
	Result	Not sensitizing
Mutagenicity:	Test substance	Urea
	Result	Non mutagenic
Carcinogenicity:	No data available	
Repeated dose toxicity:	Application route:	Oral
	Test substance	Urea
	NOAEL:	2250 mg/kg
	Species	Rat
	Result:	none
Reproductive toxicity:	Test Substance	Urea
	Species	Rat
	NOAEL:	500 mg/kg
Other data:	The product had not been tested. The information based on the characteristics of the individual components.	

Section 12 - Ecological Information

TOXICITY

Toxicity to fish:	Test Substance	Urea
	Dose LC 50:	>6810 mg/l
	Species:	Leuciscus idus (Golden orfe)
	Exposure time:	96 hr
Toxicity to daphnia and other aquatic invertebrates:	Test Substance:	Urea
	Dose ED 50:	>10000mg/kg
	Exposure time:	24h
Toxic to algae:	Species:	Scenedesmus quadricauda (Green algae)
	Exposure time:	192hr
	Dose:	>10000 mg/l

ELIMINATION INFORMATION (persistence and degradability)

Biological degradability:	Test Substance:	Urea
	Readily biodegradable	
Bioaccumulative potential:	Test Substance	Urea
	Does not bioaccumulate	

MOBILITY IN SOIL

No data available

RESULTS OF PBT AND vPvB assessment Not relevant

OTHER ADVERSE EFFECTS:

Additional ecological information: The product itself has not been tested. Do not allow uncontrolled discharge of the product into the environment.

Section 13 - Disposal Considerations

Waste treatment methods: Waste must be classified and labelled prior to recycling or disposal. In accordance with the waste recycling/disposal regulations, has to be taken to an approved waste disposal facility. The classification of the waste has to be made according to its source in accordance with the European waste code regulations and Australian waste code regulations.

Packaging: Packages which cannot be cleaned, should be disposed of in the same way as the product.

Contaminated packaging: Disposal according to the regulations, contaminated packaging has to be treated in the same way as the substance itself. Packaging should be completely emptied, and then taken to a approved recycler after appropriate cleaning

Section 14 - Transport Information

Additional advice: Not classified as dangerous in the meaning of the transport regulations.

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Section 15 - Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture:

All of the significant ingredients in this formulation are compliant with NICNAS regulations.

Chemical safety assessment: For the following substances of this mixture a chemical safety assessment has been carried out: Urea

Section 16 - Other Information

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

Acronyms:

ADG Code	Australian Code for the Transport of Dangerous Goods by Road and Rail (7 th edition)
CLP	Classification, Labelling and Packaging of Chemicals.
AICS	Australian Inventory of Chemical Substances
SWA	Safe Work Australia, formerly ASCC and NOHSC
CAS number	Chemical Abstracts Service Registry Number
NOAEL	No observable adverse effect level
REACH	Registration, Evaluation and Authorisation and Restriction of Chemicals
Hazchem Code	Emergency action code of numbers and letters that provide information to emergency services especially fire-fighters
IARC	International Agency for Research on Cancer
NOS	Not otherwise specified
NTP	National Toxicology Program (USA)
SUSMP	Standard for the Uniform Scheduling of Medicines & Poisons
UN Number	United Nations Number
Pbt	Persistent, Bioaccumulation and Toxic
vPvB	very Persistent and very Bioaccumulative

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" (Feb 2016)
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