

SAFETY DATA SHEET

Section 1.	Identification of the material and the supplier
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Product:	Nutricote 20-0-10.8
Product Description:	Ammonium nitrate based fertilizer coated with resin
Product Use:	Fertiliser
New Zealand Supplier:	HortFertplus
Address:	18 Cabernet Crescent Westgate Auckland, 0614
Telephone:	+64 9 478 5585
Emergency No:	0800 764 766 (National Poison Centre)
Date of SDS Preparation:	11 July 2019

Section 2.	Hazards Identification
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This substance is hazardous according to the EPA Hazardous Substances (Classification) Notice 2017

EPA Approval Code: Fertilisers (subsidiary) - HSR002571

Signal Word: **WARNING**

HSNO Class.	Hazard Code	Hazard Statement	GHS Category
6.1E (oral)	H303	May be harmful if swallowed.	Acute Tox. 5
9.1D	H401	May cause long lasting harmful effects to aquatic life.	Aquatic Chronic 4

Prevention Code	Prevention Statement
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P103	Read label before use.
P102	Keep out of reach of children.
P273	Avoid release to the environment.

Response Code	Response Statement
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P101	If medical advice is needed, have product container or label at hand.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.

Storage Code	Storage Statement
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None Allocated	
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Disposal Code	Disposal Statement
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P501	Triple rinse container. Cleaned packaging maybe offered for recycling or landfill in accordance with local regulations. Dispose of unwanted product as a hazardous material according to Local Regulations.
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Section 3. Composition / Information on Ingredients

Ingredients	Wt%	CAS NUMBER.
Ammonium Nitrate	55-60	6484-52-2
Potassium Sulfate	20-30	7778-80-5
Talc	5-<10	14807-96-6
Non-hazardous ingredients	To bal	

Section 4. First Aid Measures

Routes of Exposure:

If in Eyes	In case of dust or granules in eye rinse with water for several minutes. If eye irritation persists: Get medical advice.
If on Skin	Wash with plenty of soap and water. If skin irritation occurs: get medical advice/attention.
If Swallowed	If conscious, Immediately rinse the mouth with water, then drink a lot of water and provoke vomiting. Consult the doctor in case of persistent trouble.
If Inhaled	Remove person to fresh air. Remove contaminated clothing and loosen remaining clothing. Allow person to assume most comfortable position and keep warm. Keep at rest until fully recovered. Get medical advice if breathing becomes difficult.

Most important symptoms and effects, both acute and delayed

Symptoms:

Ingestion:	May be harmful if swallowed.
Inhalation:	Not applicable.
Skin:	Not applicable.
Eyes:	Not applicable.
Chronic:	Not applicable.

Section 5. Fire Fighting Measures

Hazard Type	Non Flammable
Hazards from decomposition products	Toxic fumes of NO _x , ammonia.
Suitable Extinguishing media	Water
Precautions for firefighters and special protective clothing	Use self-contained breathing apparatus and chemically protective clothing. Remove product from the source of the fire. If it is difficult to move, flush with plenty of water.
HAZCHEM CODE	None allocated.

Section 6. Accidental Release Measures

Wear PPE as detailed in Section 8. Evacuate unnecessary personnel.

Do not allow to enter drains or water courses.

Sweep up and shovel into a suitable containers for disposal. Avoid contact with combustibles. Reuse as fertilizer, if possible. Disposal of contaminated material as waste according to section 13.

Section 7. Handling and Storage

Handling

- Read label before use.
- Avoid mixing with fuels, other combustible materials and strong alkaline agents.
- Avoid release to the environment.
- Wear protective clothing as detailed in Section 8.

Storage

- Store away from reducing agents.
- The product is hygroscopic and should therefore be stored in a dry place.
- Store away from reducing agents.
- Keep out of reach of children.

Section 8 Exposure Controls / Personal Protection

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance	TWA		STEL	
	ppm	mg/m ³	ppm	mg/m ³
Talc (containing no asbestos fibres) [14807-96-6]		2		

Workplace Exposure Standard – Time Weighted Average (WES-TWA). The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure. Workplace Exposure Standard – Short-Term Exposure Limit (WESSTEL). The 15-minute average exposure standard. Applies to any 15- Minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply. Workplace Exposure Standards and Biological Exposure Indices NOV 2017 9TH EDITION.

Engineering

Controls No specific controls are needed.

Personal Protection Equipment

Not normally required. In extremely dusty conditions, appropriate PPE is recommended.

Eyes	In case of dust production: protective goggles. EN 166
Hands and Skin	Normal clean work clothing and rubber gloves.
Respiratory	No respiratory protection needed under normal use conditions.
General	Dust mask with particle filter.

Section 9 Physical and Chemical Properties

Appearance	Granules
Colour	Grey
Odour	Odourless
Odour Threshold	Not available
pH	6.8 (10% Aq)
Boiling Point	Not available
Melting Point	Not available
Freezing Point	Not available
Flash Point	Not available
Flammability	Non flammable
Upper and Lower Explosive Limits	Not available

Vapour Pressure	Not available
Vapour Density	Not available
Relative Density	1.0g/cm ³ (bulk density)
Solubility in Water	Fertiliser inside the coating dissolves in water gradually
Partition Coefficient:	Not available
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
Kinematic Viscosity	Not available
Particle size	2.4 – 3.5mm

Section 10. Stability and Reactivity

Stability of Substance	Stable under normal conditions of use.
Hazardous Reactions	Decomposition under high temperature.
Conditions to Avoid	High heating.
Incompatible Materials	Strong alkaline agents
Hazardous Decomposition Products	Nitrogen oxides (NO _x), ammonia

Section 11 Toxicological Information

Acute Effects:

Swallowed	May be harmful if swallowed.
Dermal	Not applicable.
Inhalation	Not applicable.
Eye	Not applicable.
Skin	Not applicable.

Chronic Effects:

Carcinogenicity	Not applicable.
Reproductive Toxicity	Not applicable.
Germ Cell Mutagenicity	Not applicable.
Aspiration	Not applicable.
STOT/SE	Not applicable.
STOT/RE	Not applicable.

Ammonium nitrate (AN) (6484-52-2)	
LD50 oral rat	2950 mg/kg bodyweight (OECD 401 method)
LD50 dermal rat	> 5000 mg/kg bodyweight (OECD 402 method)
LC50 inhalation rat (mg/l)	> 88,8 mg/l 4h
Potassium Sulfate (7778-80-5)	
LD50 oral rat	6600 mg/kg bodyweight (VCBN1* - 48,1998)

Section 12. Ecotoxicological Information

HSNO Classes: 9.1D = Toxic to aquatic life.

Persistence and degradability	No data available.
Bioaccumulation	No data available.
Mobility in Soil	No data available.
Other adverse effects	No data available.

Ammonium nitrate (AN) (6484-52-2)	
LC50 fish 1	447 mg/l 48h
EC50 Daphnia 1	490 mg/l IUCLID 5

Section 13. Disposal Considerations

Disposal Method:

Triple rinse container. Cleaned packaging maybe offered for recycling or landfill in accordance with local regulations. Dispose of unwanted product as a hazardous material according to Local Regulations.

Precautions or methods to avoid: Avoid release to the environment.

Section 14 Transport Information

This product is not classified as a Dangerous Good for transport in NZ ; NZS 5433:2012

Section 15 Regulatory Information

EPA Approval Code: Fertilisers (subsidiary) - HSR002571

HSNO Classification: 6.1E(oral), 9.1D

HSWA & EPA Controls	Trigger Quantity
Certified Handler	Not required
Location Certificate	Not required
Tracking Trigger Quantities	Not required
Signage Trigger Quantities	10 000kg (9.1D)
Emergency Response Plan	10 000kg (9.1D)
Secondary Containment	10 000kg (9.1D)
Restriction of Use	None

Section 16 Other Information

Glossary

EC ₅₀	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.
LC ₅₀	Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD ₅₀	Lethal dose to kill 50% of test animals/organisms.
LEL	Lower explosive level.
OSHA	American Occupational Safety and Health Administration.
TEL	Tolerable Exposure Limit.
TLV	Threshold Limit Value-an exposure limit set by responsible authority.
UEL	Upper Explosive Level
WES	Workplace Exposure Limit

References:

1. EPA Hazardous Substances (Safety Data Sheets) Notice 2017
2. Workplace Exposure Standards and Biological Exposure Indices Nov 2017 edition.
3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).
4. Transport of Dangerous goods on land NZS 5433:2012
5. HSW (Hazardous Substances) Regulations 2017

Disclaimer

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Please contact the New Zealand distributor, if further information is required.

Issue Date: 11 July 2019

Review Date: 11 July 2024