

SAFETY DATA SHEET

Section 1. Identification of the material and the supplier

Product: NovaTec Solub N-Mag

Product Use: Fertilizer

Restriction of Use: Refer to Section 15

New Zealand Supplier: Horticentre Ltd Address: 10 Firth Street

Drury, 2113

Telephone: +64 9 294 8453 Fax Number: +64 9 294 7272

Emergency Telephone: 0800 764 766 (National Poison Centre)

Date of SDS Preparation: 8 July 2021

Section 2. Hazards Identification

This substance is NOT hazardous according to the EPA Hazardous Substances (Classification) Notice 2020.

Section 3. Composition / Information on Ingredients

Ingredients
Ammonium Sulphate
Magnesium Sulphate
1H-Pyrazole, 3,4-dimethyl-,phosphate (1:1)

Section 4. First Aid Measures

Routes of Exposure:

If in Eyes Rinse cautiously with water for several minutes. If eye irritation persists:

Get medical advice/attention.

If on Skin Wash with plenty of soap and water. If on skin irritation occurs, seek

medical advice and attention.

If Swallowed Rinse mouth with water; if swallowing has occurred, drink plenty of water

and induce vomiting. Require medical assistance, if necessary.

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.

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Most important symptoms and effects, both acute and delayed

Symptoms: None known.

Treatment: Treat symptomatically.

Section 5. Fire Fighting Measures

Hazard Type	The product is non-flammable and non-combustible.	
Hazards from	Can decompose at above 170 °C. Thermal decomposition products:	
combustion	Nitrogen monoxide, nitrogen dioxide, dinitrogen oxide, ammonia.	
products		
Suitable	Water	
Extinguishing	Unsuitable extinguishing media:	
media	Foam	
	Dry chemical	
	Carbon dioxide (CO2)	
	ABC powder	
	Sand	
Precautions for	In the event of fire, wear self-contained breathing apparatus for	
firefighters and	firefighters. The product is not capable of self-sustaining progressive	
special protective	thermal decomposition (UN S1).	
clothing	Collect contaminated fire extinguishing water separately. This must not	
	be discharged into drains.	
	Fire debris must be disposed of in accordance with official regulations.	
HAZCHEM CODE	None allocated.	

Section 6. **Accidental Release Measures**

Ensure adequate ventilation. Do not get in eyes, on skin, or on clothing. Wear PPE as detailed in Section 8. Keep unnecessary and unprotected personnel from entering.

Prevent spreading in sewers.

Use mechanical handling equipment. Dispose of according to Section 13.

Section 7. **Handling and Storage**

Precautions for Handling:

- Protect from contamination.
- At the end of the shift the skin should be cleaned and skin care agents applied.

Precautions for Storage:

- Keep away from heat. Keep away from sources of ignition No smoking.
- · Keep away from direct sunlight.
- Keep away from combustible material.
- · Protect from contamination.
- Protect against humidity (product is hygroscopic and tends to cake or disintegrate).

Section 8 Exposure Controls / Personal Protection

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

TWA STEL Substance ppm mg/m³ ppm mg/m³

No ingredients have exposure limits

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

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Engineering Controls

No data available.

Personal Protection Equipment

Eyes	Not required.	
Skin	Chemical resistant protective gloves (EN 374). e.g. nitrile	
	rubber (0.4 mm), chloroprene rubber (0.5 mm), polyvinylchloride (0.7 mm)	
Respiratory	Particle filtering disposable mask DIN EN 149 with filter FFP2.	
General	Do not empty into drains.	
	Low quantities: Rinse with water.	

Section 9 Physical and Chemical Properties

Appearance	Crystalline	
Colour	Various	
Odour	Very faint	
Odour Threshold	Not available	
рН	ca. 5, Concentration: 100 g/l (20 °C)	
Boiling Point	Not available	
Melting Point	350 °C	
Freezing Point	Not available	
Flash Point	Not available	
Flammability	Not flammable	
Upper and Lower	Not available	
Explosive Limits		
Vapour Pressure	Not available	
Density	ca. 1.760 g/cm³ (20 °C)	
Bulk Density	ca. 1.000 kg/m³	
Solubilities	ca. 754 g/l soluble (20 °C)	
Log Pow	Not available	
Auto-ignition	Not available	
Temperature		
Decomposition	ca. 235 °C Ammonia gas may be liberated at high temperatures.	
Temperature		
Viscosity	Not available	
Particle Characteristics	Not available	
Explosive Properties	Not available	

Section 10. Stability and Reactivity

Stability of Substance	Stable under recommended storage and treatment circumstances.
Possible hazardous reactions	Reacts with alkalis and nitrites.
Conditions to Avoid	substances with an acid reaction alkaline reactive substances When mixed with ignitable substances, oxidizable substances: Risk of explosion if heated under confinement.
Incompatible Materials	No one in particular.
Hazardous Decomposition Products	Nitrose gases. Evolution of ammonia under influence of alkalies.

Section 11 Toxicological Information

Acute Effects:

Swallowed Not applicable. LD50 (Rat): 4250 mg/kg
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Dermal	Not applicable.
Inhalation	Not applicable.
Eye	Not applicable.
Skin	Not applicable.

Chronic Effects:

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

Section 12. Ecotoxicological Information

This product is not hazardous to the environment.

Persistence and degradability	The product works in the soil as fertilizer and is diminished in a few weeks.
Bioaccumulation	Bioaccumulation is unlikely.
Mobility in Soil	No data available
Other adverse effects	No data available

Product:

Toxicity to fish : LC50 (golden orfe): 460 - 1.000 mg/l

Method: Directive 92/69/EEC, C.1, Acute toxicity for fish

Toxicity to daphnia

and other : LC50 (Daphnia magna): 129 mg/l aquatic invertebrates

Exposure time: 48 h Test Type: static test

Section 13. Disposal Considerations

Disposal Method:

Triple rinse and dispose according to Local Regulations.

Disposal methods to avoid: None known.

Section 14 Transport Information

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

Section 15 Regulatory Information

This substance is NOT hazardous according to the EPA Hazardous Substances (Classification) Notice 2020.

Section 16	Other Information
Glossary	
Cat	Category
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.

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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.

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