

Safety Data Sheet

MSDS No.	120068	Issue Date:	November 2017	Page:	1 of 5
Product Name:	GROW! CONTROLLED RELEASE FERTILISER ALL PURPOSE INCLUDING NATIVES			Version:	2.0

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER		
Product identifier	GROW! CONTROLLED RELEASE FERTILISER ALL PURPOSE INCLUDING NATIVES	
Other means of identification	-	
Recommended use and restrictions on use	Fertiliser	
Supplier name	New Technology Products Pty Ltd	
Address	496 Victoria St Wetherill Park NSW 2164 Australia	
Telephone	(02) 9756 6873	
Emergency telephone	1800 033 111 (24 hour)	
2. HAZARDS IDENTIFICATION		
Hazard classification	Australia: Not classified as hazardous according to the GHS criteria of Safe Work Australia. Skin corrosion/irritation; category 3 Hazardous to the aquatic environment: Acute hazard: category 3 Hazardous to the aquatic environment: Chronic hazard: category 3 H316: Causes mild skin irritation. H412: Harmful to aquatic life with long lasting effects. P273: Avoid release to the environment. P332 + P313: If skin irritation occurs: Get medical advice/attention. P501: Dispose of contents/container to an approved waste disposal plant.	
3. COMPOSITION/INFORMATION ON INGREDIENTS		
Name	CAS	Concentration
Urea	57-13-6	30-60%
Potassium sulphate	7778-80-5	10-40%
Sulphur	7704-34-9	<10%
Zinc sulphate monohydrate	7446-19-7	<1%
Ingredients determined not to be hazardous	-	To 100%
4. FIRST AID MEASURES		
Inhalation	If inhaled, remove affected person from contaminated area. Keep at rest until recovered. If symptoms persist, seek medical attention.	
Skin contact	Remove contaminated clothing. Wash affected area thoroughly with soap and water. If symptoms persist seek medical attention.	
Eye contact	Immediately flush the contaminated eye(s) with lukewarm, gently flowing water while holding the eyelid(s) open. Obtain medical attention if irritation persists. Take special care if exposed person is wearing contact lenses. Remove contact if easy to do and continue rinsing.	
Ingestion	If product is swallowed or gets in mouth, do NOT induce vomiting; wash mouth with water and give some water to drink. If symptoms develop, or if in doubt contact a Poisons Information Centre or a doctor.	
5. FIRE FIGHTING MEASURES		

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Suitable extinguishing media	Use carbon dioxide, dry chemical, foam, water fog or water mist.
Specific hazards arising from the chemical	Under fire conditions this product may emit toxic and/or irritating fumes and gases including oxides of nitrogen, sulphur, carbon monoxide, and carbon dioxide.
Special protective equipment and precautions for fire fighters	Fire fighters should wear self-contained breathing apparatus and full protective clothing.
6. ACCIDENTAL RELEASE MEASURES	
Emergency procedures	Evacuate all unprotected personnel. Wear sufficient respiratory protection and full protective clothing to prevent exposure. Sweep up material avoiding dust generation or dampen spilled material with water to avoid airborne dust, then transfer material to a suitable container. Wash surfaces well with soap and water. Seal all waste in labelled plastic containers for subsequent recycling or disposal. Dispose of waste according to the applicable local and national regulations. If contamination of sewers or waterways occurs, inform the local water and waste management authorities in accordance with local regulations.
7. HANDLING AND STORAGE	
Precautions for safe handling	Use only in a well-ventilated area. Keep containers sealed when not in use. Prevent the build-up of dust in the work atmosphere. Avoid inhalation of dust and skin or eye contact. Maintain high standards of personal hygiene. i.e. washing hands prior to eating, drinking smoking, or using toilet facilities.
Conditions for safe storage including incompatibilities	Store in a cool, dry place out of the reach of children, direct sunlight and moisture. Store in suitable labelled containers. Keep containers tightly closed. Store away from incompatible materials. Ensure that storage conditions comply with local and national regulations.
8. EXPOSURE CONTROLS/PERSONAL PROTECTION	
National exposure standards	Exposure limits have not been established by SWA for this product. The exposure limit (TWA) for dust is 10mg/m ³ .
Biological monitoring	Not required for this material.
General	The following Australian Standards will provide general advice regarding safety clothing and equipment: Respiratory equipment: AS/NZS 1715 , Protective Gloves: AS 2161 , Occupational Protective Clothing: AS/NZS 4501 set 2008, Industrial Eye Protection: AS1336 and AS/NZS 1337 , Occupational Protective Footwear: AS/NZS2210 .
Appropriate engineering controls	This product should only be used where there is ventilation that is adequate to keep exposure below the TWA levels. If necessary, use a fan or exhaust extraction system.
Respiratory Protection	If engineering controls are not sufficient to control airborne dust levels then an approved respirator with a replaceable particulate filter should be worn. Reference should be made to Australian Standards listed above.
Skin protection	Prevent skin contact by wearing impervious gloves and long-sleeved clothes. Make sure that all skin areas are covered.
Eye and face protection	Product is classified as an eye irritant. Wear suitable protective glasses with side shields or chemical goggles.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Brown/tan granules
Odour	No information available
Odour threshold	No information available
pH	No information available
Melting point/ freezing point	No information available
Boiling point	No information available
Flashpoint	No information available
Evaporation rate	No information available
Flammability	No information available
Upper/lower flammability limits	No information available
Vapour pressure	No information available
Vapour density (Air=1)	No information available
Solubility	Partly soluble
Bulk density/specific gravity	No information available

10. STABILITY AND REACTIVITY

Reactivity	This product is unlikely to react or decompose under normal storage conditions. However, if you have any doubts, contact the supplier for advice on shelf life properties.
Incompatible materials and possible hazardous reactions	Strong oxidizing agents.
Conditions to avoid	This product should be kept in a cool place, preferably below 30°C. Containers should be kept dry. Keep containers and surrounding areas well ventilated. Protect this product from direct sunlight.
Hazardous decomposition products	Thermal decomposition may result in the release of toxic and/or irritating fumes including oxides of nitrogen, sulphur, carbon monoxide and carbon dioxide.

11. TOXICOLOGICAL INFORMATION

Inhalation	Inhalation of dusts may irritate the respiratory system. Chronic exposure by inhalation may aggravate pre-existing upper respiratory and lung disorders such as bronchitis, asthma, and emphysema. Onset and progression are related to dust concentrations and duration of exposure.
Ingestion	Ingestion of this product may irritate the gastric tract causing nausea and vomiting.
Skin corrosion/irritation	Causes mild skin irritation. Skin contact may cause irritation resulting in redness and itching.
Serious eye damage/irritation	Eye contact may cause mechanical irritation. May result in mild abrasion.
Respiratory or skin sensitisation	Not expected to be a respiratory or skin sensitizer.
Germ cell	This material has not been classified as a mutagen.

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mutagenicity	
Carcinogenicity	This material has not been classified as a carcinogen.
Reproductive toxicity	This material has not been classified as a reproductive toxicant.
Specific target organ toxicity (STOT)- single exposure	This material has not been classified as a target organ toxicant.
Specific target organ toxicity (STOT)- repeated exposure	This material has not been classified as a target organ toxicant.
Aspiration hazard	This material has not been classified as an aspiration hazard.

12. ECOLOGICAL INFORMATION

Ecotoxicity	Harmful to aquatic life with long-lasting effects.
Persistence and degradability	Insufficient information available.
Bioaccumulative potential	Insufficient information available.
Mobility in soil	Insufficient information available.
Other adverse effects	Insufficient information available.

13. DISPOSAL CONSIDERATIONS

Safe handling and disposal methods	Dispose of waste in accordance with applicable local and national regulations.
Disposal of contaminated packaging	Household quantities of contaminated packaging should be disposed of in household kerbside collection. Industrial quantities should be dealt with as industrial waste under applicable laws.

14. TRANSPORT INFORMATION

Transport information	ADG Code:	Not classified as dangerous goods
	NZS5433:2007:	Not classified as dangerous goods
	IMDG Code:	Not classified as dangerous goods
	IATA	Not classified as dangerous goods
	Regulations:	

15. REGULATORY INFORMATION

Safety, health and environmental regulations	Not a scheduled poison. All components of this product are listed on the Australian Inventory of Chemical Substances (AICS) or exempted.
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16. OTHER INFORMATION

Date of preparation or last revision of SDS	SDS Created: November 2017.
Key abbreviations and acronyms used	ADG Code: Australian Code for the Transport of Dangerous Goods by Road & Rail GHS: Globally Harmonized System of Classification and Labelling HSNO: New Zealand Hazardous Substances and New Organisms legislation. IATA: International Air Transport Association

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IMDG: International Maritime Dangerous Goods Code
NZS5433: New Zealand Standard- Transport of Dangerous Goods on Land.
SUSMP: Standard for the Uniform Scheduling of Medicines and Poisons
UN: United Nations