

# Safety Data Sheet

Infosafe No™ LQ1IU Issue Date : August 2012 ISSUED by NEWTECHN

Product Name **GROW! CONTROLLED RELEASE FERTILISER ALL PURPOSE INCLUDING NATIVES**

Not classified as hazardous

## 1. Identification

**GHS Product Identifier** GROW! CONTROLLED RELEASE FERTILISER ALL PURPOSE INCLUDING NATIVES  
**Product Code** 120060, 120068  
**Company Name** NEW TECHNOLOGY PRODUCTS PTY LTD  
**Address** 496-502 Victoria St Wetherill Park  
NSW 2164 Australia  
**Telephone/Fax Number** Tel: 02 9756 6873  
**Emergency phone number** 1800 033 111  
**Recommended use of the chemical and restrictions on use** Fertiliser

## 2. Hazard Identification

**GHS classification of the substance/mixture** Not classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia  
Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)  
Skin Corrosion/Irritation: Category 3  
Hazardous to the Aquatic Environment - Acute Hazard: Category 3  
Hazardous to the Aquatic Environment - Long-Term Hazard: Category 3  
**Signal Word (s)** Warning  
**Hazard Statement (s)** H316 Causes mild skin irritation.  
H412 Harmful to aquatic life with long lasting effects.  
**Precautionary statement - Prevention** P273 Avoid release to the environment.  
**Precautionary statement - Response** P332+P313 If skin irritation occurs: Get medical advice/attention.  
**Precautionary statement - Disposal** P501 Dispose of contents/container to an approved waste disposal plant.

## 3. Composition/information on ingredients

| <b>Ingredients</b> | <b>Name</b>                                | <b>CAS</b> | <b>Proportion</b> |
|--------------------|--|------------|-------------------|
|                    | Urea                                       | 57-13-6    | 30-<60 %          |
|                    | Potassium sulphate                         | 7778-80-5  | 10-<40 %          |
|                    | Sulphur                                    | 7704-34-9  | <10 %             |
|                    | Zinc sulphate mono hydrate                 | 7446-19-7  | <1 %              |
|                    | Ingredients determined not to be hazardous |            | Balance           |

## 4. First-aid measures

**Inhalation** If inhaled, remove affected person from contaminated area. Keep at rest until recovered. If symptoms persist seek medical attention.  
**Ingestion** Do not induce vomiting. Wash out mouth thoroughly with water. If symptoms develop seek medical attention.  
**Skin** Remove contaminated clothing. Wash affected area thoroughly with soap and water Wash contaminated clothing before re-use or discard. Seek medical attention.  
**Eye contact** If dust in eyes, hold eyelids apart and flush the eyes continuously with running water. Continue flushing for several minutes until all contaminants are washed out completely. If symptoms develop and persist seek medical attention

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**First Aid Facilities** Eye wash, safety shower and normal washroom facilities.  
**Advice to Doctor** Treat symptomatically.  
**Other Information** For advice, contact a Poisons Information Centre (Phone eg Australia 131 126) or a doctor (at once).

## 5. Fire-fighting measures

**Suitable extinguishing media** Use carbon dioxide, dry chemical, foam, water fog or water mist.  
**Hazards from Combustion Products** Under fire conditions this product may emit toxic and/or irritating fumes and gases including oxides of nitrogen, sulphur, carbon monoxide and carbon dioxide.  
**Specific hazards arising from the chemical** Not flammable.  
**Decomposition Temp.** Not available  
**Precautions in connection with Fire** Fire fighters should wear Self-Contained Breathing Apparatus (SCBA) and full protective clothing to prevent exposure to vapours, fumes, dust or products of combustion.

## 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 wastes 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 any incompatibilities** Store in a cool, dry, well-ventilated area, out of direct sunlight and moisture. Store in suitable, labelled containers. Keep containers tightly closed. Store away from incompatible materials. Ensure that storage conditions comply with applicable local and national regulations.

## 8. Exposure controls/personal protection

**Occupational exposure limit values** No exposure value assigned for this specific material by Safe Work, Australia. However, over-exposure to any chemical may result in enhancement of pre-existing adverse medical conditions and/or allergic reactions and should be kept to the least possible levels. The available exposure limits for dust is listed below:  
Safe Work, Australia Exposure Standards:  
Substance TWA  
Dust (inspirable fraction) 10 mg/m<sup>3</sup>  
**Biological Limit Values** No biological limit allocated.  
**Appropriate engineering controls** Good ventilation adequate to maintain the concentration below exposure standards is required. The use of a local exhaust ventilation system (drawing dusts away from workers breathing zone) is recommended. If the engineering controls are not sufficient to maintain concentrations of particulates below the exposure standards, suitable respiratory protection must be worn.  
**Respiratory Protection** If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable particulate filter should be used. Reference should be made to Australian Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.

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|                        |  |
|------------------------|--|
| <b>Eye Protection</b>  | Safety glasses with side shields or chemical goggles should be worn. Final choice of appropriate eye/face protection will vary according to individual circumstances. Eye protection devices should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications. |
| <b>Hand Protection</b> | Wear gloves of impervious material. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.   |
| <b>Body Protection</b> | Suitable protective workwear should be worn when working with this material, e.g. cotton overalls buttoned at neck and wrist.  |

## 9. Physical and chemical properties

|   |                    |
|---|--------------------|
| <b>Appearance</b>                             | Brown/tan granules |
| <b>Odour</b>                                  | Not available      |
| <b>Decomposition Temperature</b>              | Not available      |
| <b>Melting Point</b>                          | Not available      |
| <b>Boiling Point</b>                          | Not applicable     |
| <b>Solubility in Water</b>                    | Partly soluble     |
| <b>Specific Gravity</b>                       | Not available      |
| <b>pH</b>                                     | Not available      |
| <b>Vapour Pressure</b>                        | Not applicable     |
| <b>Vapour Density (Air=1)</b>                 | Not available      |
| <b>Odour Threshold</b>                        | Not available      |
| <b>Viscosity</b>                              | Not applicable     |
| <b>Partition Coefficient: n-octanol/water</b> | Not available      |
| <b>Flash Point</b>                            | Not applicable     |
| <b>Flammability</b>                           | Non flammable      |
| <b>Auto-Ignition Temperature</b>              | Not applicable     |
| <b>Flammable Limits - Lower</b>               | Not applicable     |
| <b>Flammable Limits - Upper</b>               | Not applicable     |

## 10. Stability and reactivity

|   |   |
|---|---|
| <b>Chemical Stability</b>               | Stable under normal conditions of storage and handling.   |
| <b>Conditions to Avoid</b>              | Extremes of temperature and dusty conditions.   |
| <b>Incompatible Materials</b>           | Strong oxidizing agents.  |
| <b>Hazardous Decomposition Products</b> | Thermal decomposition may result in the release of toxic and/or irritating fumes including oxides of nitrogen, sulphur, carbon monoxide and carbon dioxide. |
| <b>Hazardous Polymerization</b>         | Will not occur.   |

## 11. Toxicological Information

|                               |   |
|-------------------------------|---|
| <b>Toxicology Information</b> | No toxicity data is available for this material.                                      |
| <b>Ingestion</b>              | Ingestion of this product may irritate the gastric tract causing nausea and vomiting. |

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|----------------------------------|--|
| <b>Inhalation</b>                | Inhalation of dusts may irritate the respiratory system. Chronic exposure by inhalation may aggravate pre-existing upper respiratory and lung disorders such as bronchitis, emphysema and asthma. Onset and progression are related to dust concentrations and duration of exposure. |
| <b>Skin</b>                      | Causes mild skin irritation. Skin contact may cause irritation resulting in redness and itching.   |
| <b>Eye</b>                       | Eye contact may cause mechanical irritation. May result in mild abrasion.  |
| <b>Respiratory sensitisation</b> | Not expected to be a respiratory sensitiser.   |
| <b>Skin Sensitisation</b>        | Not expected to be a skin sensitiser.  |
| <b>Germ cell mutagenicity</b>    | Not considered to be a mutagenic hazard.   |
| <b>Carcinogenicity</b>           | Not considered to be a carcinogenic hazard.  |
| <b>Reproductive Toxicity</b>     | Not considered to be toxic to reproduction.  |
| <b>STOT-single exposure</b>      | Not expected to cause toxicity to a specific target organ.   |
| <b>STOT-repeated exposure</b>    | Not expected to cause toxicity to a specific target organ.   |
| <b>Aspiration Hazard</b>         | Not expected to be an aspiration hazard.   |

## 12. Ecological information

|                                      |   |
|--------------------------------------|---|
| <b>Ecotoxicity</b>                   | Harmful to aquatic life with long lasting effects.                |
| <b>Persistence and degradability</b> | Not available   |
| <b>Mobility</b>                      | Not available   |
| <b>Bioaccumulative Potential</b>     | Not available   |
| <b>Environmental Protection</b>      | Do not discharge this material into waterways, drains and sewers. |

## 13. Disposal considerations

|                                |  |
|--------------------------------|--|
| <b>Disposal Considerations</b> | Dispose of waste according to applicable local and national regulations. |
|--------------------------------|--|

## 14. Transport information

|                              |  |
|------------------------------|--|
| <b>Transport Information</b> | Road and Rail Transport (ADG Code):<br>Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code) (7th edition).<br><br>Marine Transport (IMO/IMDG):<br>Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.<br><br>Air Transport (ICAO/IATA):<br>Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air. |
| <b>IMDG Marine pollutant</b> | No   |

## 15. Regulatory information

|                               |  |
|-------------------------------|--|
| <b>Regulatory Information</b> | Not classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia. |
| <b>Poisons Schedule</b>       | Not Scheduled  |
| <b>AICS (Australia)</b>       | 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** SDS Created: August 2012

**or last revision of SDS**

**Contact Person/Point** New Technology Products Pty Ltd,  
496-502 Victoria St,  
Wetherill Park,  
NSW 2164.  
Phone 02 9756 6873  
Emergency phone: 1800 033 111  
...End Of MSDS...

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