

SAFETY DATA SHEET

Product Name: Gro-Sure Planting Magic

Issue Date: 19/06/2018

Page 1 of 11

1. PRODUCT AND COMPANY INFORMATION

| | |
|----------------------------|--|
| Product Name: | Gro-Sure Planting Magic |
| Relevant identified uses: | Fertilizer |
| Molecular Formula: | Mixture |
| Supplier: | Kiwicare Corporation Limited |
| Street Address: | 225 Maces Road, Bromley, Christchurch, 8062 New Zealand |
| Postal Address: | P.O Box 15050, Aranui, Christchurch, 8643 New Zealand |
| Telephone | +64 3 389 0778 |
| Email: | info@kiwicare.co.nz |
| Website: | www.kiwicare.co.nz |
| Emergency Contact Numbers: | 0800 764 766 (0800 POISON) |
| National Poisons Centre: | 0800 764 766 (0800 POISON) |

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SAFETY DATA SHEET

Product Name: Gro-Sure Planting Magic

Issue Date: 19/06/2018

Page 2 of 11

2. HAZARDS IDENTIFICATION

| | | | | | | | | |
|-------------------|--|---|----------------|------|-----------------------------------|--|-----------------------|------|
| 6.3A | Not applicable for the UN RTDG Model Regulations |  | Warning | H315 | P103 ^b P264 P280 | P302 + P352 P321 P332 + P313 P362 | No storage statements | P501 |
| 6.4A ^l | Not applicable for the UN RTDG Model Regulations |  | Warning | H319 | P103 ^b P264 P280 | P305 + P351 + P338 P337 + P313 | No storage statements | P501 |
| 9.3C | Not applicable for the UN RTDG Model Regulations | No Pictogram | No Signal Word | H433 | P103 ^b P273 | No response statements | No storage statements | P501 |

Dangerous Goods:

Not a Dangerous good, signal word = warning.

Packaging Group:

NA

Hazardous Substance (HSNO) Codes:

6.3A (Skin irritant)

6.4A (Eye irritant)

9.3C (Harmful to terrestrial vertebrates)

Hazard Statement:

H315: Causes skin irritation.

H319: Causes serious eye irritation.

H433: Harmful to terrestrial vertebrates.

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SAFETY DATA SHEET

Product Name: Gro-Sure Planting Magic

Issue Date: 19/06/2018

Page 3 of 11

Precautionary Statements:

P101: If medical advice is needed, have product container or label at hand.

P102: Keep out of reach of children.

P103: Read label before use.

P264: Wash hands thoroughly after handling.

P273: Avoid release to the environment.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P321: Specific treatment refer to the label.

P362: Take off contaminated clothing and wash before re-use.

P302+P352: IF ON SKIN: Wash with plenty of soap and water.

P332+P313: If skin irritation occurs: Get medical advice/ attention.

P337+P313: If eye irritation persists: Get medical advice/attention.

P305+351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P501: In the case of a substance that is in compliance with a HSNO approval other than a Part 6A (Group Standards) approval, a label must provide a description of one or more appropriate and achievable methods for the disposal of a substance in accordance with the Hazardous Substances (Disposal) Regulations 2001. This may also include any method of disposal that must be avoided.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Recommended Use: Granular fertilizer

Appearance: Brownish granule

Ingredients

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SAFETY DATA SHEET

Product Name: Gro-Sure Planting Magic

Issue Date: 19/06/2018

Page 4 of 11

| Ingredients | CAS # | Content % |
|---|--------------|-----------|
| Humic Acid | 1415-93-6 | ≥ 25 % |
| Seaweed Meal | NA | ≥ 20 % |
| Other ingredients (silica fume << 0.1%) | NA (Mixture) | to 100 % |

4. FIRST AID MEASURES

| | |
|-----------------------------|---|
| General information: | In case of accident, or if you feel unwell, seek medical advice (show the label where possible). |
| Ingestion: | Rinse mouth. Do NOT induce vomiting. Seek medical advice or call NZ Poisons Centre on 0800 764 766. If medical advice is needed have product label at hand. |
| Eye Contact: | May cause eye irritation. Rinse opened eye for several minutes under running water. If irritation persists seek medical advice or call NZ Poisons Centre on 0800 764 766. If medical advice is needed have product label at hand. |
| Skin Contact: | May cause skin irritation. Immediately take off all contaminated clothing. Rinse skin with copious amounts of water and wash with soap and water. If you feel unwell seek immediate medical advice. |
| Inhalation: | If symptoms develop move the exposed person to fresh air. Immediately obtain medical advice. Unlikely to present an inhalation hazard as the product is granular. If breathing problems develop, seek medical advice or call NZ Poisons Centre on 0800 764 766. If medical advice is needed have product label at hand. |
| Advice for Medical Doctors: | Treat symptomatically. Call a doctor or poison control centre for guidance, or call NZ Poisons Centre on 0800 764 766. |

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SAFETY DATA SHEET

Product Name: Gro-Sure Planting Magic

Issue Date: 19/06/2018

Page 5 of 11

5. FIRE FIGHTING MEASURES

| | |
|-------------------------------|--|
| Specific Hazards: | No specific hazard. |
| Suitable Extinguishing Media: | Keep fire exposed containers cool by spraying with water. Appropriate fire extinguishers are CO ₂ , Powder or Alcohol resistant foam. Use extinguishing media appropriate to the surrounding conditions. |
| Fire Fighting Advice: | Fire fighters should wear full protective gear, including self-contained breathing apparatus (AS/NZS 1715/1716). Keep unnecessary people away and move all other personnel to windward side of fire. Bund area with sand or earth to prevent contamination of drains or waterways. Dispose of fire control water or other extinguishing agent and spillage safely later. |

6. ACCIDENTAL RELEASE MEASURES

| | |
|---------------------------------|--|
| Environmental precautions: | Prevent leakage or spillage if safe to do so. |
| Minor Spills (Up to 20 kg): | Wear protective clothing. Clear area of unprotected personnel. Contain spill and collect. Do not allow product or washings to enter the waterways or sewer. |
| Major Spills (more than 20 kg): | Wear protective clothing. Clear area of unprotected personnel. Contain spill and collect. Do not allow product or washings to enter the waterways or sewer. If spill does enter waterway contact local authority. Contaminated absorbent and wash water should be disposed of according to local and national regulations. Collect in an appropriate sealable container for disposal in an approved landfill or incinerate at an authorised installation. |

7. HANDLING AND STORAGE

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SAFETY DATA SHEET

Product Name: Gro-Sure Planting Magic

Issue Date: 19/06/2018

Page 6 of 11

7. HANDLING AND STORAGE

Precautions for safe handling:

Avoid prolonged or repeated contact with skin. Avoid inhaling any dust. When handling product in drums, safety footwear should be worn and proper handling equipment should be used. Keep away from sources of ignition – No smoking, eating or drinking while handling this product. Always use good personal hygiene procedures when handling this product. Wash hands and face before eating, drinking or smoking. Read the label before use.

Conditions for safe Storage including incompatibilities:

Keep out of the reach of children. Store in original container in a cool, dry, ventilated place, away from direct heat of sunlight. Store away from foodstuffs, children and animals. Do not allow product to get wet in storage.

Protection against fire and explosion:

Keep away from heat sources even though the product is not combustible. The product is not explosive. Keep away from oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Standards:

See 'Exposure limits' below (Workplace Exposure Standards and Biological Exposure Indices 8th edition)

Engineering Controls:

Keep away from foodstuffs, beverages and feed. Wash hands before breaks and at the end of work.

Hand protection:

Suitable chemical resistant gloves are recommended for applicants.

Eye protection:

Wear safety glasses or full face shield if splashes are likely to occur.

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SAFETY DATA SHEET

Product Name: Gro-Sure Planting Magic

Issue Date: 19/06/2018

Page 7 of 11

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Body protection: Body protection must be chosen depending on activity and possible exposure, for example apron, protecting boots. Skin protection not ordinarily required beyond standard issue work clothes. It is good practice to wear chemical resistant gloves.

General safety and hygiene measures: Handle in accordance with good hygiene and safety practice. Wearing of closed work clothing is recommended. Avoid contact with the skin, eyes and clothing. Store work clothing separately.

Environmental Exposure Controls: Minimise release to the environment. An environmental assessment must be made to ensure compliance with local environmental legislation.

| C | Substance | CAS # | TWA | | STEL | |
|---|---------------------------------------|------------|-----|-------------------|------|-------------------|
| | | | ppm | mg/m ³ | ppm | mg/m ³ |
| | Calcium carbonate (Limestone, Marble) | [471-34-1] | | 10 | | |

| S | Substance | CAS # | TWA | | STEL | |
|---|-------------|-------|-----|-------------------|------|-------------------|
| | | | ppm | mg/m ³ | ppm | mg/m ³ |
| | Silica fume | | | 2 ^(a) | | |

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odour: Brownish granule

Solubility: Partially soluble in water

Specific Gravity: None allocated

Boiling Point: NA

Flash Point: > 93 °C

pH Value: NA

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SAFETY DATA SHEET

Product Name: Gro-Sure Planting Magic

Issue Date: 19/06/2018

Page 8 of 11

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|------------------------------|---------------------------------|
| Formula: | Granular mixture |
| Chemical Family: | Fertilizer with inorganic salts |
| Other: | NA |
| Exposure Standards (TLV-TW): | Refer to section 8 |
| Engineering Controls: | Refer to section 8 |

10. STABILITY AND REACTIVITY

| | |
|--|--|
| Stability & Chemical reactivity: | Stable under normal conditions of use. Not explosive or oxidising. |
| Incompatibility or conditions to be avoid: | Avoid strong oxidising and reducing agents. Avoid heat, sparks and open flame. |
| Corrosive Properties: | Not corrosive. |
| Thermal Decomposition: | The formation of toxic/irritant gases/vapours may occur if over-heated. |

11. TOXICOLOGICAL INFORMATION

For the substance (final product):

| | |
|------------------------------------|--|
| Skin corrosion/irritation: | HSNO classification 6.3A or GHS H315, Causes skin irritation. |
| Serious eye damage/eye irritation: | HSNO 6.4A or GHS H319; cause eye irritation. |
| Respiratory or skin sensitization: | Not a respiratory or skin sensitizer. |
| Germ cell mutagenicity: | Not mutagenic. |
| Carcinogenicity: | Not carcinogenic. |
| Reproductivity: | Not reproductive. |
| Acute Toxicity: | Acute oral & dermal LD ₅₀ > 5000 mg/kg (calculated) |

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SAFETY DATA SHEET

Product Name: Gro-Sure Planting Magic

Issue Date: 19/06/2018

Page 9 of 11

11. TOXICOLOGICAL INFORMATION

Chronic Toxicity: No chronic toxicity.

12. ECOTOXICITY INFORMATION

Ecological information of substance: HSNO 9.3C or GHS H433; Harmful to terrestrial vertebrates. Not Bioaccumulative and No soil toxicity.

Ammonium nitrate (6484-52-2): 9.3B: LD₅₀ = 2000 mg/kg

13. DISPOSAL CONSIDERATIONS

Waste treatment – recommendation: In the case of a substance that is in compliance with a HSNO approval other than a Part 6A (Group Standards) approval, a label must provide a description of one or more appropriate and achievable methods for the disposal of a substance in accordance with the Hazardous Substances (Disposal) Regulations 2001.

Container Disposal: Empty containers can be sent to landfill after cleaning if in compliance with local and national regulations.

14. TRANSPORT INFORMATION

Road; Rail; Marine and Air

UN Number: NA

Dangerous Goods Class: Not classified as Dangerous Goods. Check other restrictions for transport. (ADR/RID; IMDG; IATA/ICAO; HSNO)

Hazchem Code: NA

Packaging Group: NA

Proper Shipping Name: NA

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SAFETY DATA SHEET

Product Name: Gro-Sure Planting Magic

Issue Date: 19/06/2018

Page 10 of 11

14. TRANSPORT INFORMATION

Segregation: None allocated

15. N.Z. REGULATORY INFORMATION

EPA HSNO Number: HSR002571

HSNO Classifications: 6.3A, 6.4A, 9.3C.

HSNO Controls: Refer to HSR002571

HSNO Approved codes of Practice: Refer to HSR002571

To avoid risks to man and the environment, comply with the instructions for use.

This information should be considered when making any hazard assessment.

Classification and labelling according to Regulation:

(EC) No 1272/2008 [EU-GHS/CLP]

16. OTHER INFORMATION

SDS date of preparation: 27 / 04 / 2017

SDS date of revision: 27 / 04 / 2022

Emergency Contact: 24 Hours

Work Hours: National Poisons Centre

Kiwicare Corporation: PO Box 913

225 Maces Road: Dunedin

PO Box 15050: Tel: 0800 764 766 (POISON)

Christchurch

Tel: (03) 389 0778

Fax: (03) 389 0669

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SAFETY DATA SHEET

Product Name: Gro-Sure Planting Magic

Issue Date: 19/06/2018

Page 11 of 11

16. OTHER INFORMATION

All Safety Data Sheets are subject to review and should not be left longer than five years before and update is obtained.

For further information visit the Kiwicare web site, www.kiwicare.co.nz, or contact the supplier.

The information in this document should be made available to all who may handle the product. For proper and safe use of this product, please refer to the product label.

This information is based on data believed by Kiwicare Corporation Limited to be accurate at the time of writing. It is given in good faith but no warranty expressed or implied is made as to its accuracy, completeness or otherwise. Every person dealing with the materials referred herein does so at their own risk absolutely and must make independent determinations of suitability and completeness of information from all sources to ensure their proper use.

Attention is drawn to the application and safety instructions set out on the label. This sheet is not a substitute for safety, hazard or application instructions set out on the label. As Kiwicare Corporation Limited and their distributors have no control over storage or use of this product no liability for accident or damage will be accepted.

Abbreviations:

ADR: European agreement concerning the international carriage of dangerous goods by Road.

CLP: Classification, Labelling and Packaging

IMDG: International Maritime Dangerous Goods.

IATA: International Air Transport Association.

ICAO: International Civil Aviation Organisation

RID: Regulations concerning the International carriage of Dangerous goods by rail.

GHS: Global Harmonized System

EU: European Union

EC: European Commission

TLV: Threshold Limit Value

STEL: Short-Term Exposure Limit

H Phrase: Hazard phrase

P Phrase: Precautionary phrase

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