



Material Safety Data Sheet

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|---------------|--|-------------|-----------|----------|--------|
| MSDS No. | 111032 | Issue Date: | July 2015 | Page: | 1 of 4 |
| Product Name: | MIRACLE-GRO MAXFEED ALL PURPOSE | | | Version: | 2.1 |

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

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| Product Name | MIRACLE-GRO MAXFEED ALL PURPOSE | |
| Manufacturer | SCOTTS AUSTRALIA PTY LTD | |
| Address | Australia: Building E, Level 2, 32 Lexington Drive Bella Vista NSW 2153 | New Zealand: Level 4, 152 Fanshawe St Auckland |
| Emergency Tel. | 1800 033 111 | 0800 734 607 |
| Telephone/Fax Number | Tel: (02) 8602 9000 Fax: (02) 8602 9001 | Tel: 0800 449 213 |
| Recommended Use | Fertiliser | |
| Product codes | 111032, 111033, 111036, 111040, 111050 | |
| Synonyms | <u>Name</u> Miracle-Gro Water Soluble All Purpose Plant Food | <u>Product no.</u> 111040 |

2. HAZARDS IDENTIFICATION

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| Hazard Classification | Australia: NON-HAZARDOUS. NON-DANGEROUS GOODS. New Zealand: Classified as hazardous according to the New Zealand Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001. Classified as Dangerous Goods for transport, according to New Zealand Standard NZS 5433:2007 Transport of Dangerous Goods on Land. HSNO classification: 6.1D- Substance which is slightly acutely toxic 6.3B- Substance which is mildly irritating to the skin 6.4A- Substance that is irritating to the eye 9.3B- Substance that is ecotoxic to terrestrial vertebrates Hazard statement codes: H302- Harmful if swallowed. H316- Causes mild skin irritation H319- Causes serious eye irritation H432- Toxic to terrestrial vertebrates Precautionary statement codes- Prevention P102- Keep out of reach of children P103*- Read label before use P264- Wash hands thoroughly after using. P270- Do not eat, drink or smoke when using the product P273- Avoid release to the environment P280- Wear protective gloves/eye protection. Precautionary statement codes- Response P101*- If medical advice is needed, have product container or label at hand P301+P312- IF SWALLOWED: call a poisons centre or doctor/physician P305+P351+P338- IF IN EYES: rinse cautiously with water for several minutes. Remove contact lenses if easy to do. Continue rinsing P330- Rinse mouth P332+P313- if skin irritation occurs: Get medical advice/attention |
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Material Safety Data Sheet

| | | | | | |
|---------------|--|-------------|-----------|----------|--------|
| MSDS No. | 111032 | Issue Date: | July 2015 | Page: | 2 of 4 |
| Product Name: | MIRACLE-GRO MAXFEED ALL PURPOSE | | | Version: | 2.1 |

P337+P313- If eye irritation persists: Get medical advice/attention
P391- Collect spillage.

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Ingredients | Name | CAS | Proportion | Ingredients |
|-------------|--|-----------|------------|-------------|
| | Urea | 57-13-6 | 10-30% | |
| | Potassium chloride | 7447-40-7 | 10-30% | |
| | Monoammonium phosphate | 7722-76-1 | 30-60% | |
| | Other ingredients determined not to be hazardous | | | Balance |

4. FIRST AID MEASURES

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| Inhalation | Remove patient to fresh air. Get medical attention if irritation occurs and persists. |
| Ingestion | Rinse mouth with water and give a small glass of water to drink. Never give anything by mouth to an unconscious person. If poisoning occurs, contact a doctor or Poisons Information Centre, phone 13 11 26 (Australia) or 0800 764 766 (New Zealand). |
| Skin | Remove contaminated clothing. Wash area thoroughly with soap and water. Get medical attention if irritation occurs and persists. |
| Eye | Flush with water holding eyelids open. Seek medical attention if irritation occurs and persists. |

5. FIRE FIGHTING MEASURES

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| Suitable Extinguishing Media | Water spray, carbon dioxide, fine earth, dry chemical or sand. Use extinguishing media appropriate for the surrounding fire. |
| Hazards from Combustion Products | Carbon monoxide, carbon dioxide, nitrogen oxides (NO ₂ , NO _x), potassium and potassium containing compounds, chlorine and chlorine containing compounds (eg HCl gas, phosgene), ammonia, cyanuric acid, cyanic acid and phosphorous and phosphorous containing compounds (eg phosphine). |
| Special Protective Equipment for fire fighters | Fire fighters must wear self-contained breathing apparatus. |

6. ACCIDENTAL RELEASE MEASURES

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| Emergency Procedures | Shovel, sweep or scoop material into a suitable container and cover. Flush area with water. Do not attempt to clean-up spills without appropriate protective equipment. Prevent large quantities from contacting vegetation or waterways. Keep animals away from large spills. Collect all rinse water and apply to appropriate lawn/garden areas. |
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7. HANDLING AND STORAGE

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| Precautions for Safe Handling | Wash hands after handling. Avoid generating and inhaling dusts. Keep containers closed when not in use. |
| Conditions for Safe Storage | Keep away from food and animal feedstuffs. Keep out of reach of children. For quality reasons keep out of direct sunlight, store under dry conditions. Partly used bags should be closed well. |

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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| National Exposure Standards | The exposure standard for dust not otherwise specified is 10 mg/m ³ (for inspirable dust) and 3 mg/m ³ (for respirable dust). The limit applies to both Australia and New Zealand. |
| Biological Limit Values | None allocated |
| Engineering Controls | Ensure adequate ventilation. |
| Respiratory Protection | Respiratory protection should not be required for normal use/handling. Avoid breathing dust. If airborne dust levels are high, a dust mask is recommended to avoid inhalation. The respirator use limitations specified by the manufacturer must be observed. Respirators must be in compliance with AS/NZS 1715 and AS/NZS 1716. |
| Hand Protection | Wash hands thoroughly after handling. Wear gloves if in regular contact. |
| Eye/face protection | Safety glasses with side shields are recommended. |



Material Safety Data Sheet

| | | | | | |
|---------------|--|-------------|-----------|----------|--------|
| MSDS No. | 111032 | Issue Date: | July 2015 | Page: | 3 of 4 |
| Product Name: | MIRACLE-GRO MAXFEED ALL PURPOSE | | | Version: | 2.1 |

Skin and body Protection Minimise skin contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Fine granules, blue, red or green colour
Odour Slight ammonia odour.
Melting Point 133-772°C
Boiling Point Not available
Solubility in Water Soluble
pH Value Not volatile
Vapour Pressure Not volatile
Vapour Density (Air=1) Not available
Bulk density 800g/L
Decomposition temperature Not available
Flashpoint Not flammable
Flammable Limits Not flammable

10. STABILITY AND REACTIVITY

Chemical Stability This product is stable under recommended storage conditions.
Conditions to Avoid None known
Materials to avoid None known
Hazardous Decomposition Products In a fire, thermal decomposition of product may generate oxides of potassium, sulphur and carbon.

11. TOXICOLOGICAL INFORMATION

Inhalation This product is formulated as a granule and is unlikely to be inhaled but if granule breakdown leads to dust formation then inhalation of product in dust form may cause irritation.
Ingestion Ingestion may cause nausea and vomiting along with mild irritation to the mouth, throat, oesophagus and stomach.
Skin May cause skin irritation.
Eye May cause eye irritation.

12. ECOLOGICAL INFORMATION

Ecotoxicity Keep large quantities out of waterways to prevent algal blooms.
Persistence / Degradability Will not bioaccumulate
Environ. Protection Prevent product and empty packaging from entering drains, sewers, streams, ponds and other waterways.

13. DISPOSAL CONSIDERATIONS

Disposal Considerations Use product as intended. Dispose of empty packaging at an approved waste disposal site. Collect rinse water and apply to appropriate lawn/garden areas.

14. TRANSPORT INFORMATION

Transport Information Not classified as dangerous goods according to the Australian Dangerous Goods Code.

15. REGULATORY INFORMATION

Regulatory Information New Zealand:
HSNO Approval code HSR002571- Fertilisers (Subsidiary risk) Group Standard 2006.
Poisons Schedule Not a scheduled poison.

16. OTHER INFORMATION



Material Safety Data Sheet

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|---------------|--|-------------|-----------|----------|--------|
| MSDS No. | 111032 | Issue Date: | July 2015 | Page: | 4 of 4 |
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