



SAFETY DATA SHEET

According to Safe Work Australia

Printing date 25.10.2013

Revision: 25.10.2013

1 . IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

Product Name: MULTICOTE OR MULTIGREEN OR MULTIGRO CONTROLLED RELEASE FERTILIZERS

Recommended Use of the Chemical and Restriction on Use: Agricultural fertilizer

Details of Manufacturer or Importer:

Haifa Australia Pty Ltd
14/328 Reserve Road
Cheltenham VIC 3192

Phone Number: 03 9583 4691

Emergency telephone number: 0400 119 852

2 . HAZARDS IDENTIFICATION

Hazardous Nature: The product is not classified according to the Globally Harmonized System (GHS).

Label Elements

Signal Word Void

Hazard Statements Void

Precautionary Statements

P233: Keep container tightly closed.

P402: Store in a dry place.

P235: Keep cool.

3 . COMPOSITION AND INFORMATION ON INGREDIENTS

Chemical Characterization: Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

Hazardous Components:

7757-79-1	potassium nitrate	 Ox. Sol. 2, H272	0-100%
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Additional information: Not considered an oxidizer because of the prilled/coated form of the salt.

4 . FIRST AID MEASURES

Inhalation:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if breathing problems develop.

Skin Contact:

In case of skin contact, immediately remove contaminated clothing and wash affected areas with water and soap. Seek medical attention if symptoms occur.

Eye Contact:

In case of eye contact, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention if symptoms occur.

Ingestion:

If swallowed, do not induce vomiting. Do not give anything by mouth to an unconscious person. Seek immediate medical attention.

Information for Doctor

Symptoms Caused by Exposure: Eye contact: May cause irritation.

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5 . FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Use fire extinguishing methods suitable to surrounding conditions.

Specific Hazards Arising from the Chemical:

Hazardous combustion products include oxides of nitrogen, phosphorous, potassium, toxic and irritating fumes.

Not considered an oxidizer because of the prilled/coated form of the salt.

Special Protective Equipment and Precautions for Fire Fighters:

Wear Safe Work Australia approved self-contained breathing apparatus and full protective clothing.

6 . ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:

Wear Safe Work Australia approved self contained breathing apparatus and full protective clothing (for large spills) . Evacuate all non-essential personnel from affected area. Do not breathe dust. Ensure adequate ventilation. Avoid generating dust. Keep away from heat, sparks, open flames or other sources of ignition.

Environmental Precautions:

In the event of a major spill, prevent spillage from entering drains or water courses.

Methods and Materials for Containment and Cleaning Up:

Collect the spilled material and place into a suitable container for disposal. Ensure adequate ventilation. Avoid generating dust.

7 . HANDLING AND STORAGE

Precautions for Safe Handling:

Use of safe work practices are recommended to avoid eye or skin contact and inhalation of dust. Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

Conditions for Safe Storage:

Store in a cool, dry and well ventilated area. Keep container tightly closed when not in use. Protect from heat, sparks, open flames or other sources of ignition. Keep away from reducing materials, metals, acids, alkalis and organic materials.

8 . EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Standards:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Engineering Contols:

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapour below occupational exposure standards.

Personal Protective Equipment (PPE):

Respiratory Protection:

A respirator is not needed under normal and intended conditions of product use. If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators. See Australian Standards AS/NZS 1715 and 1716 for more information.

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Skin Protection:

Protective gloves and protective clothing. See Australian Standards AS/NZS 2161, 2210.1 and 2210.2 for more information.

Eye and Face Protection:

Safety glasses with top and side shields or goggles. See Australian Standards AS/NZS 1336 and 1337 for more information.

9 . PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

Form:	Granular solid
Colour:	Brown and/or white
Odour:	Odourless
Odour Threshold:	Odourless
pH-Value:	Not applicable because of low solubility in water.
Melting point/Melting range:	No information available
Initial Boiling Point/Boiling Range:	Not applicable
Flash Point:	Not applicable.
Flammability:	Not applicable
Auto-ignition Temperature:	Not applicable
Decomposition Temperature:	>200 °C
Explosion Limits:	
Lower:	Not applicable
Upper:	Not applicable
Vapour Pressure:	Not applicable.
Relative Density at 20 °C:	0.7-1.1
Vapour Density:	Not applicable.
Evaporation Rate:	Not applicable.
Solubility in Water:	Dissolve very slowly, polymer coating is insoluble.
Partition Coefficient (n-octanol/water):	Not applicable because of low solubility in water.

10 . STABILITY AND REACTIVITY

Possibility of Hazardous Reactions: No hazardous reactions will occur.

Chemical Stability: Stable at ambient temperature and under normal conditions of use.

Conditions to Avoid: Heat, sparks, open flames and other sources of ignition.

Incompatible Materials: Reducing materials, metals, acids, alkalis and organic materials.

Hazardous Decomposition Products:

When strongly heated it melts and decomposes releasing toxic fumes.

In contact with alkaline materials it may release ammonia gas.

11 . TOXICOLOGICAL INFORMATION

Toxicity:**LD₅₀/LC₅₀ Values Relevant for Classification:****7757-79-1 potassium nitrate**Oral LD₅₀ 3750 mg/kg (rat)**57-13-6 urea**Oral LD₅₀ 8471 mg/kg (rat)

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Acute Health Effects**Inhalation:** Not expected to be a hazard.**Skin:** Not expected to be a hazard.**Eye:** May cause eye irritation.**Ingestion:** Ingestion is not considered a potential route of exposure.**Skin Corrosion / Irritation:** Based on classification principles, the classification criteria are not met.**Serious Eye Damage / Irritation:** Based on classification principles, the classification criteria are not met.**Respiratory or Skin Sensitisation:** No sensitising effects known.**Germ Cell Mutagenicity:** Based on classification principles, the classification criteria are not met.**Carcinogenicity:** This product does NOT contain any IARC listed chemicals.**Reproductive Toxicity:** Based on classification principles, the classification criteria are not met.**Specific Target Organ Toxicity (STOT) - Single Exposure:**

Based on classification principles, the classification criteria are not met.

Specific Target Organ Toxicity (STOT) - Repeated Exposure:

Based on classification principles, the classification criteria are not met.

Aspiration Hazard: Based on classification principles, the classification criteria are not met.**Chronic Health Effects:** No information available**Existing Conditions Aggravated by Exposure:** No information available**12 . ECOLOGICAL INFORMATION****Ecotoxicity:****Aquatic toxicity:****7757-79-1 potassium nitrate**

LC50/96h 180 mg/L (poecilia reticulata)

57-13-6 urea

EC50/48h 3910 mg/L (daphnia)

LC50/96h 17500 mg/L (poecilia reticulata)

7487-88-9 magnesium sulphate

EC50/48h 343.56 mg/L (daphnia)

LC50/96 2820 mg/L (flathead minnows)

Persistence and Degradability: Not applicable**Bioaccumulative Potential:** Not applicable**Mobility in Soil:** Not applicable**13 . DISPOSAL CONSIDERATIONS****Disposal Methods and Containers:** Dispose according to applicable local and state government regulations.**Special Precautions for Landfill or Incineration:**

Please consult your state Land Waste Management Authority for more information.

14 . TRANSPORT INFORMATION**UN Number**

Not regulated

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Proper Shipping Name Not regulated**Dangerous Goods Class** Not regulated**Packing Group:** Not regulated**Marine pollutant:** No

15 . REGULATORY INFORMATION

Australian Inventory of Chemical Substances:

7757-79-1	potassium nitrate
57-13-6	urea
7722-76-1	ammonium dihydrogenorthophosphate
7487-88-9	magnesium sulphate

16 . OTHER INFORMATION

Creation Date: 25.10.2013**Prepared by:** MSDS.COM.AU Pty Ltdwww.msds.com.au**Abbreviations and acronyms:**

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

IARC: International Agency for Research on Cancer

STEL: Short Term Exposure Limit

TWA: Time Weighted Average

NES: National Exposure Standard

Disclaimer

This MSDS is prepared in accord with the Safe Work Australia document "Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals - December 2011"

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