

SAFETY DATA SHEET

According to Safe Work Australia

1 . IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

Product Name: GREEN JACKET NO 1

Other Means of Identification:

Blend of materials to give the indicated NPK ratio. Polymer coated for slow release.

Other Name: NPK Grade 19-11-11

Recommended Use of the Chemical and Restriction on Use:

Slow release NPK fertiliser for turf and ornamentals.

Details of Manufacturer or Importer:

Australian Growing Solutions Pty Ltd
12 McKirdys Road
Tyabb VIC 3913

Phone Number: 1800 709 588

Emergency telephone number: National Poison Information Centre: 13 11 26

2 . HAZARDS IDENTIFICATION

Hazardous Nature:

Not classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

The product is not classified according to the Globally Harmonised System (GHS).

Signal Word Void

Hazard Statements Void

3 . COMPOSITION AND INFORMATION ON INGREDIENTS

Chemical Characterization: Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

Hazardous Components:

6484-52-2	ammonium nitrate	 Ox. Sol. 1, H271	10-30%
-----------	------------------	---	--------

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. Wash mouth with water and give some water to drink. Do not give anything by mouth to an unconscious person. Seek immediate medical attention.

Symptoms Caused by Exposure:

Inhalation: May cause slight respiratory irritation.

Skin Contact: May cause slight skin irritation.

Eye Contact: May cause slight eye irritation.

SAFETY DATA SHEET

According to Safe Work Australia

Product Name: GREEN JACKET NO 1

(Contd. of page 1)

Ingestion: May be irritating to mucous membranes.

5 . FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Carbon dioxide, dry chemical or fine water spray.

Specific Hazards Arising from the Chemical:

Hazardous combustion products include oxides of nitrogen.

No fire or explosion hazard exists. This material does not burn.

Containers close to fire should be removed if safe to do so. Use water spray to cool fire exposed containers.

Special Protective Equipment and Precautions for Fire Fighters:

When fighting a major fire wear self-contained breathing apparatus and protective equipment.

6 . ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:

Wear approved dust/particulate filter respirator and full protective clothing. Evacuate all non-essential personnel from affected area. Do not breathe dust. Ensure adequate ventilation. Avoid generating dust. Do not breathe dust. Ensure adequate ventilation. Extinguish all sources of ignition. Avoid sparks and open flames. No smoking

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 / shovel up the material and place into suitable, closed containers for subsequent disposal. Avoid generating dust. Ensure adequate ventilation.

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. Avoid dust generation.

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 in original container tightly closed when not in use. Containers should be kept dry. Protect from heat, sparks, open flames and other sources of ignition, clothing and combustible materials. Keep away from water, strong oxidising agents, acids, bases and reducing agents.

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 Controls: Ensure adequate ventilation of the working area.

Respiratory Protection:

Where an inhalation risk exists, wear a Class P1 (particulate) respirator. At high dust levels, wear a powered air purifying respirator (PAPR) with Class P3 (Particulate) filter or an air-line respirator or a full-face Class P3 (particulate) respirator. See Australian/New Zealand Standards AS/NZS 1715 and 1716 for more information.

Skin Protection:

PVC, PVA, nitrile, neoprene, rubber or vinyl gloves. See Australian/New Zealand Standard AS/NZS 2161 for more information.

When selecting gloves for use against certain chemicals, the degradation resistance, permeation rate and

(Contd. on page 3)

SAFETY DATA SHEET

According to Safe Work Australia

Product Name: GREEN JACKET NO 1

(Contd. of page 2)

permeation breakthrough time should be considered.

Occupational protective clothing (depending on conditions in which it has to be used, in particular as regards the period for which it is worn, which shall be determined on the basis of the seriousness of the risk, the frequency of exposure to the risk, the characteristics of the workstation of each worker and the performance of the protective clothing). See Australian/New Zealand Standard AS/NZS 4501 for more information.

Eye and Face Protection:

Eye and face protectors for protection against dust. See Australian/New Zealand Standard AS/NZS 1337 for more information.

9 . PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

Form:	Solid
Colour:	According to product specification
Odour:	No information available
Odour Threshold:	No information available
pH-Value:	Not applicable.
Melting point/Melting range:	No information available
Initial Boiling Point/Boiling Range:	No information available
Flash Point:	Not applicable
Flammability:	Non combustible.
Auto-ignition Temperature:	No information available
Decomposition Temperature:	No information available
Explosion Limits:	
Lower:	Not determined.
Upper:	Not determined.
Vapour Pressure:	Not applicable.
Density:	Not determined.
Relative Density:	Not determined.
Vapour Density:	Not applicable.
Evaporation Rate:	Not applicable
Solubility in Water:	No information available
Partition Coefficient (n-octanol/water):	Not determined.
% Volatiles by Volume:	0

10 . STABILITY AND REACTIVITY

Possibility of Hazardous Reactions: No dangerous reactions known under conditions of normal use.

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

Conditions to Avoid:

Heat, sparks, open flames and other sources of ignition, clothing and combustible materials.

Incompatible Materials: Water, strong oxidising agents, acids, bases and reducing agents.

Hazardous Decomposition Products: No hazardous decomposition products known.

11 . TOXICOLOGICAL INFORMATION

Toxicity:

LD₅₀/LC₅₀ Values Relevant for Classification:

6484-52-2 ammonium nitrate

Oral LD₅₀ 2217 mg/kg (rat)

(Contd. on page 4)

SAFETY DATA SHEET

According to Safe Work Australia

Product Name: GREEN JACKET NO 1

(Contd. of page 3)

Acute Health Effects

Inhalation: May cause slight respiratory irritation.

Skin: May cause slight skin irritation.

Eye: May cause slight eye irritation.

Ingestion: Significant oral exposure is considered to be unlikely. May be irritating to mucous membranes.

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

Germ Cell Mutagenicity: Based on classification principles, the classification criteria are not met.

Carcinogenicity:

Nitrate or nitrite (ingested) under conditions that result in endogenous nitrosation are classified by IARC as Group 2A - Probably carcinogenic to humans.

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

Additional toxicological information:

Ingestion of large quantities may cause nitrate poisoning. The toxicity of nitrates is due to conversion to nitrites. Nitrites in the bloodstream change haemoglobin (the oxygen-carrying part of blood) to methaemoglobin (which cannot carry oxygen). If enough methaemoglobin is produced, death will occur. Primary overdose effects include orthostatic hypotension and methemoglobinemia. Early symptoms include headache, nausea and vomiting. Dizziness, palpitations or flushed skin may develop. In severe poisonings unconsciousness, dizziness, fatigue, shortness of breath, and hypotension may occur.

12 . ECOLOGICAL INFORMATION

Ecotoxicity: No information available

Aquatic toxicity: No information available

Persistence and Degradability: No information available

Bioaccumulative Potential: No information available

Mobility in Soil: No information available

Other adverse effects: No information available

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.

(Contd. on page 5)

SAFETY DATA SHEET

According to Safe Work Australia

Product Name: GREEN JACKET NO 1

(Contd. of page 4)

14 . TRANSPORT INFORMATION

UN Number Not regulated
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:

6484-52-2	ammonium nitrate
7722-76-1	Phosphoric acid, monoammonium salt

Standard for the Uniform Scheduling of Drugs and Poisons (SUSMP) - Poison Schedule:
Not Scheduled.

16 . OTHER INFORMATION

Date of Preparation or Last Revision: 18.08.2015

Prepared by: MSDS.COM.AU Pty Ltd

www.msds.com.au

Abbreviations and acronyms:

GHS: Globally Harmonised 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 (Safe Work Australia - Workplace Exposure Standards For Airborne Contaminants)

Disclaimer

This SDS 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"

The information contained in this safety data sheet is provided in good faith and is believed to be accurate at the date of issuance.

Australian Growing Solutions Pty Ltd makes no representation of the accuracy or comprehensiveness of the information and to the full extent allowed by law excludes all liability for any loss or damage related to the supply or use of the information in this material safety data sheet. MSDS.COM.AU Pty Ltd is not in a position to warrant the accuracy of the data herein. The user is cautioned to make their own determinations as to the suitability of the information provided to the particular circumstances in which the product is used.