Safety Data Sheet
according to WHS Regulations

Printing date 21.07.2020 Revision: 21.07.2020

1 Identification

Product Name: COMMERCIAL SERIES GROW + BLOOM

Other Means of Identification: Mixture

Recommended Use of the Chemical and Restriction on Use: Substrate for horticultural purposes.

Details of Manufacturer or Importer:
SJ Enterprises Pty Ltd
7 O'Connor Court
Gepps Cross 5094
Adelaide SA

Phone Number: 61 8 83598732

Emergency telephone number: 800-424-9300 or 043 0217 040

2 Hazard(s) Identification

Hazardous Nature:
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)

corrosion

Serious Eye Damage/Irritation 1 H318 Causes serious eye damage.

Signal Word Danger

Hazard Statements
H318 Causes serious eye damage.

Precautionary Statements

P280	Wear eye protection / face protection.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER/doctor.

3 Composition and Information on Ingredients

Chemical Characterization: Mixtures
Description: Mixture of substances listed below with nonhazardous additions.

Hazardous Components:		
CAS: 13477-34-4	Nitric acid, calcium salt, tetrahydrate, Calcium dinitrate tetrahydrate Serious Eye Damage/Irritation 1, H318; Acute Toxicity (Oral) 4, H302	<10%
CAS: 7757-79-1	Nitric acid, potassium salt Oxidising Solids 2, H272	<10%

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.

(Contd. on page 2)

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Safety Data Sheet
according to WHS Regulations

Printing date 21.07.2020 Revision: 21.07.2020

Product Name: COMMERCIAL SERIES GROW + BLOOM

(Contd. of page 1)

Eye Contact:
In case of eye contact, hold eyelids open and rinse with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Seek medical attention if symptoms occur.

Ingestion:
If swallowed, do not induce vomiting. Immediately rinse mouth with water. Give a glass of water. Never give anything by mouth to an unconscious person. Seek immediate medical attention.

Symptoms Caused by Exposure:
Inhalation: No adverse health effects expected.
Skin Contact: No adverse health effects expected.
Eye Contact: Causes serious eye damage.
Ingestion: No adverse health effects expected.

5 Fire Fighting Measures

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

Specific Hazards Arising from the Chemical:
No hazardous decomposition products known.
This product is not flammable.
Containers close to fire should be removed only if safe to do so.

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.

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:
Stop leak if safe to do so and sweep granules into a pile and shovel into drums for subsequent disposal. Avoid generating dust. Provide 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.
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 excessive moisture, extreme heat and direct sunlight. Keep away from 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: Natural ventilation should be adequate under normal use conditions.

(Contd. on page 3)

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Safety Data Sheet
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Printing date 21.07.2020 Revision: 21.07.2020

Product Name: COMMERCIAL SERIES GROW + BLOOM

(Contd. of page 2)

Respiratory Protection: Respiratory protection is not required under normal use conditions.

Skin Protection:
Protective gloves are recommended for persons with sensitive skin. 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 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:	Powder
Colour:	No information available
Odour:	Odourless
Odour Threshold:	No information available
pH-Value:	No information available
Melting point/freezing point:	No information available
Initial Boiling Point/Boiling Range:	No information available
Flash Point:	No information available
Flammability:	Product is not flammable.
Auto-ignition Temperature:	No information available
Decomposition Temperature:	No information available
Explosion Limits:	
Lower:	No information available
Upper:	No information available
Vapour Pressure:	No information available
Relative Density:	No information available
Vapour Density:	No information available
Evaporation Rate:	No information available
Solubility in Water:	Soluble in water
Partition Coefficient (n-octanol/water):	No information available

10 Stability and Reactivity

Possibility of Hazardous Reactions: Hazardous polymerisation will not occur.

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

Conditions to Avoid: Excessive moisture, extreme heat and direct sunlight.

Incompatible Materials: Reducing agents.

Hazardous Decomposition Products: No hazardous decomposition products known.

(Contd. on page 4)

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Product Name: COMMERCIAL SERIES GROW + BLOOM

(Contd. of page 3)

11 Toxicological Information

Toxicity:

LD50/LC50 Values Relevant for Classification:		
CAS: 7757-79-1 Nitric acid, potassium salt		
Oral	LD50	3,750 mg/kg (rat)
Dermal	LD50	>5,000 mg/kg (rat)

Acute Health Effects
Inhalation: No adverse health effects expected.
Skin: No adverse health effects expected.
Eye: Causes serious eye damage.
Ingestion: No adverse health effects expected.

Skin Corrosion / Irritation: Based on classification principles, the classification criteria are not met.

Serious Eye Damage / Irritation: Causes serious eye damage.

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: 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

Additional toxicological information: No information available

12 Ecological Information

Ecotoxicity:

Aquatic toxicity:	
CAS: 7757-79-1 Nitric acid, potassium salt	
EC50/48 h	490 mg/l (daphnia)
LC50/96 h	1,378 mg/l (guppy)

Persistence and Degradability: No further relevant information available.

Bioaccumulative Potential: No further relevant information available.

Mobility in Soil: No further relevant information available.
Other adverse effects: No further relevant information available.

13 Disposal Considerations

Disposal Methods and Containers: Dispose according to applicable local and state government regulations.

(Contd. on page 5)

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(Contd. of page 4)

Special Precautions for Landfill or Incineration:
Please consult your state Land Waste Management Authority for more information.

14 Transport Information

UN Number Not regulated

Proper Shipping Name Not regulated

Dangerous Goods Class Not regulated

Packing Group: Not regulated

15 Regulatory Information

Australian Inventory of Chemical Substances:	
CAS: 7778-77-0	Phosphoric acid, monopotassium salt
CAS: 13477-34-4	Nitric acid, calcium salt, tetrahydrate, Calcium dinitrate tetrahydrate
CAS: 7487-88-9	Sulfuric acid, magnesium salt (1:1)
CAS: 7757-79-1	Nitric acid, potassium salt
CAS: 7439-89-6	Iron

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

Australia: Priority Existing Chemicals
None of the ingredients is listed.

16 Other Information

Date of Preparation or Last Revision: 21.07.2020

Prepared by: MSDS.COM.AU Pty Ltd www.msds.com.au

Abbreviations and acronyms:
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
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)
Oxidising Solids 2: Oxidising solids, Hazard Category 2
Acute Toxicity (Oral) 4: Acute toxicity - oral – Category 4
Serious Eye Damage/Irritation 1: Serious eye damage/eye irritation – Category 1

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 - May 2018”
The information contained in this safety data sheet is provided in good faith and is believed to be accurate at the date of issuance. SJ Enterprises 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.

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