Safety Data Sheet

Section 1 - Identification of the Product and Supplier

GHS Classification:	Mixture of fertiliser ingredients.
Product Name:	**Macracote Yellow Coloniser Plus**
Manufacturers Code**:**	**MCYELLOW**
Recommended Use:	Fertiliser for the use in gardens and commercial growing applications
Supplier:	Sunpalm Australia Pty Ltd
	36 Paramount Drive, Wangara WA 6065
	Phone: 08 9302 1633 (office hours) Fax: 08 9302 1644
	www.sunpalmaustralia.com.au
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Section 2 – Hazards Identification

Hazard Statements

Classification: Not classified as a hazardous substance or mixture according to the criteria of SWA and GHS classification in Australia and New Zealand

Not classified as a dangerous good according to the Australian Dangerous Goods (ADG) Code, IATA or IMDG/IMSBC

UN Number: None allocated

GHS Codes: Not Hazardous.

PREVENTION

P102: Keep out of reach of children.

P232: Protect from moisture.

P233: Keep container tightly closed.

P262: Do not get in eyes, on skin, or on clothing.

P281: Use personal protective equipment as required.

RESPONSE

P305 + P351 + P338: If in eyes, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P353: Rinse skin or shower with water.

P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P370+P378: Not combustible. Use extinguishing media suited to burning materials.

STORAGE

P402+P404: Store in a dry place. Store in a closed container.

P403 + P235: Store in a well-ventilated place. Keep cool.

DISPOSAL

P501: Small spills may be swept and reused. Dispose of empty containers or bags at local authority landfill in accordance with the requirements of Local or State Waste Management Authorities. For larger quantities, if recycling or reclaiming is not possible, use a commercial waste disposal service.

Emergency Overview

Physical Description & Colour: Gold coloured granules. Solid

Odour: Odourless

Major Health Hazards: No significant risk factors have been found for this product except mild skin irritation.

Section 3 - Composition/Information on Ingredients

INGREDIENTS

CHEMICAL ENTITY:	CAS NUMBER:	PROPORTION:
Urea	57-13-6	
Monoammonium phosphate	7722-76-1	
Ammonium Sulphate	7783-20-2	
Ammonium Nitrate	6484-52-2	
Potassium Sulphate	7778-80-5	
Magnesium Oxide	1309-48-4	
Ferrous Sulphate	7782-63-0	
Manganese Sulphate	7785-87-7	<1%
Copper Sulphate	7758-98-7	<1%
Zinc Oxide	1314-13-2	<1%
Sodium Borate	1330-43-4	<1%
Sodium Molybdate	7631-95-0	<1%
Paraffin Wax	8002-74-2	
Naturally occurring non-hazardous mineral ingredients plus beneficial soil microbes (Probiotic)		To 100%

Section 4 - First Aid Measures

General Advice:

Contact the Poisons Information Centre if case of suspected symptoms of poisoning, burning or irritation by this product. The number is 13 1126 from anywhere in Australia (0800 764 766 in New Zealand) and is available at all times. Please ensure that you have this SDS with you when you call.

Inhalation:
May cause irritation of nasal passage and throat. No first aid measures generally required. However, if inhalation has occurred, and irritation has developed, remove to fresh air and observe until recovered. If symptoms persist, seek medical advice.

Skin Contact:
Wash skin gently and thoroughly with water and soap.

Eye Contact:
Rinse contaminated eye(s) with cold water thoroughly until the product is removed. Seek medical advice if irritation symptoms persist. Ensure contact lenses are removed prior to rinsing.

Ingestion:
Rinse mouth with water and drink plenty of water. Do NOT induce vomiting. If symptoms persist, contact a Poisons Information Centre 13 11 26 or a doctor.

Note to Physician: Treat symptomatically

Section 5 – Fire-fighting Measures

Under normal conditions, there is no risk of an explosion from this product if involved in a fire.

Thermal decomposition of these products due to a fire are likely to cause irritation if inhaled.

Suitable Extinguishing Media: Not combustible, however, use suitable extinguishing media. Do not use unsuitable extinguishing media that scatters spilled material with high pressure water streams.

Fire Fighting: Fire fighters should wear a self-contained breathing equipment. In case of large fire involving this product, call the fire brigade

Section 6 - Accidental Release Measures

As such, there is no requirement for special protective equipment, however, personnel involved in handling an accidental release should wear appropriate protective clothing including gloves and safety goggles. Ensure that there is an adequate ventilation in the area.

Environmental Precautions:
Prevent spillage from entering open drains and waterways, if it is safe to do so. If a significant quantity of material enters drains, advise emergency services. Dispose of recovered product promptly and in accordance with Local or State Waste Management Authorities. This product is suitable for disposal in landfill.

Section 7 - Handling and Storage

Recommendations on safe handling
Handling:

Use personal protective equipment when handling this product, and handle in accordance with good industrial hygiene and safety practices. Refrain from eating, drinking or smoking when using this product. Refer to Section 8 of this SDS for details of personal protective measures, and make sure that those measures are followed

Storage:

Store containers in a cool, dry area away from drinking water and food. Keep the product away from heat, flames and other sources of ignition. Store in containers that are clearly labelled, protected from physical damage and sealed when not in use.

Section 8 - Exposure Controls and Personal Protection

Exposure Control:
Exposure control parameters have not been established by SWA for any of the major ingredients in this product.

Personal Protection and Engineering Controls:
Generally, special equipment is not required when using this product under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilations and evacuation may be necessary.

During bulk handling or regular exposure occurs without proper controls, the following is suggested:

Ventilation: Ensure adequate ventilation in confined work areas. Ensure that the work environment remains clean and that exposure to dust is minimised.

Eye/Face Protection: No special equipment required, however, eye protection such as protective glasses or goggles and face protection such as breathing masks/ apparatus is recommended.

Respiratory protection: to avoid dust, use nose masks.

Skin Protection: No special protective equipment is required however, you should avoid contact even with mild skin irritants. Therefore, you should wear suitable gloves and facial protection when handling this product.

Section 9 - Physical and Chemical Properties

Physical Description & colour:	Gold coloured granules. Solid
Odour:	No detectable odour.
Boiling Point:	N/A
Freezing/Melting Point:	No data
Volatiles:	No specific data. Expected to be low at 100°C.
Vapour Pressure:	Negligible at normal ambient temperatures.
Vapour Density:	Not relevant
Specific Gravity:	No data.
Water Solubility:	Slightly soluble.
pH:	No data.
Volatility:	Negligible at normal ambient temperatures.
Odour Threshold:	No data.
Evaporation Rate:	Not applicable.
Coeff Oil/water Distribution:	No data
Viscosity:	Not applicable.
Auto ignition temp:	Not applicable - does not burn.

Section 10 - Stability and Reactivity

Reactivity: Under normal conditions, this product is unlikely to react or decompose. If in doubt, contact the manufacturer for advice. Storage containers are to be kept in dry, cool conditions.

Incompatibilities: Compatible with most commonly used fertiliser materials

Fire Decomposition: May create toxic fumes when heated to decomposition

Section 11 - Toxicological Information

This product has low toxicity and may only be hazardous with prolonged eye or skin contact, dust inhalation or ingestion.

Known Acute Toxicity

Eye Contact: May cause irritation

Skin Contact: May cause irritation. Prolonged and repeated use may result in slight irritation. Some individuals with sensitive skin may experience adverse skin reactions and would be advised to discontinue use.

Inhalation: May cause irritation of respiratory tract. Over exposure may result in mucous membrane irritation of the nose and throat with coughing

Ingestion: ingestion may cause gastro-intestinal irritation, nausea, vomiting and/or diarrhoea.

Symptoms: No information available.

Unknown Acute Toxicity: No information available.

Target Organs: No information available on any particular target organs.

Potential Immediate and Delayed Health Effects (numerical measures of toxicity)

Carcinogenicity:	No information available.
Toxicity to Skin:	No information available.
Toxicity to Eyes:	No information available.
Skin/ Respiratory Sensitisation:	No information available.
Reproductive Toxicity:	No information available.
LD50 Toxicity data:	No information available.

Section 12 - Ecological Information

Eco-Toxicity: No data available

This product is eco efficient, environment friendly and unlikely to negatively affect the environment. Soluble salts of nitrogenous compounds, phosphorous and potash in this product are released in small quantities in a slow release or controlled release manner to be able to be taken up by plants when released to the environment. This product is not expected to be an environmental hazard as long as precaution is taken to not allow the product to enter the environment uncontrolled. Excess of nitrogen and phosphorus can stimulate weed and algal growth. High Nitrate concentrations due to untimely or heavy application of excess nitrogen and can contaminate surface and ground water which may render the water unsuitable for human and livestock.

Biodegradability: Product is biodegradable; however, no data is available.

Bioaccumulation: No information available

Section 13 - Disposal Considerations

Disposal: Small spills may be swept up and reused. Dispose of drummed waste and any contaminated soil at local authority landfill in accordance with local regulations of Waste Management Authorities. This product may be suitable for landfill. Empty containers are not suitable for re-use.

Section 14 - Transport Information

This product is not regulated and is not classified as a Dangerous Good by ADG or IATA criteria and therefore there are no special conditions for transport of this product in Australia and New Zealand.

Section 15 - Regulatory Information

AICS: All the major ingredients in this product are compliant with NICNAS regulations.

Section 16 – Any Other Relevant Information

For other data please refer to the Technical Data Sheet for this product, and other product literature.

Abbreviations and Acronyms used in this Safety Data Sheet:

ADG Code: The Australia Dangerous Goods Code

AICS: Australian Inventory of Chemical Substances

CAS number: Chemical Abstract Service Registry Number

GHS: Globally Harmonized System

IATA: International Air Transport Association

IMDG: International Maritime Dangerous Goods Code

STEL: Short Term Exposure Limit

SWA: Safe Work Australia

TWA: Time Weighted Average

UN Number: United Nations Numbers

Disclaimer: The information on this Safety Data Sheet is believed to be accurate and it is the best information available to Sunpalm Australia Pty Ltd (SAPL). Any recommendations provided by SAPL or its distributors are advice only. This document is intended to be used as a guide to the appropriate precautions for handling the product. SAPL makes no warranty, expressed or implied to such information and SAPL assumes no liability resulting from the use or handling of the product to which this SDS relates to. Users and handlers of this product should make their own investigations to determine the suitability of the information provided herein for their own purpose. Please read all labels carefully before using product.

This SDS is prepared in accord with the SWA document
"Preparation of Safety Data Sheets for Hazardous Chemicals - Code of Practice" (December 2011)
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