



SAFETY DATA SHEET

According to Safe Work Australia

Printing date 13.12.2016

Revision: 13.12.2016

1. IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

Product Name: MADURA GUANO GOLD® KWIK START® ORGANIC FERTILIZER
2mm-5mm GRANULAR FORM - AND - 80-100 MICRON POWDER FORM

Other Means of Identification: Mixture

Other Name: GuaGo/25kg, GuaGo/1.25MT, GuaGo/Loose Bulk Cargo

Product Code: Guano Gold® Kwik Start®

Recommended Use of the Chemical and Restriction on Use:

Fertiliser for agricultural and horticultural applications and for stock feed manufacturing.

Details of Manufacturer or Importer:

Guano Australia Pty Ltd
4 Schwartz Street
Buderim QLD 4556

Phone Number: 07 5445 5300

Emergency telephone number: 07 5445 5300

2. HAZARDS 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)



flame

Water-react. 2 H261 In contact with water releases flammable gases.

Signal Word Danger

Hazard Statements

H261 In contact with water releases flammable gases.

Precautionary Statements

P223 Do not allow contact with water.

P231+P232 Handle under inert gas. Protect from moisture.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P370+P378 In case of fire: Use for extinction: CO₂, sand, extinguishing powder.

P335+P334 Brush off loose particles from skin. Immerse in cool water/wrap in wet bandages.

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

P501 Dispose of contents/container in accordance with local/regional/national regulations.

3. COMPOSITION AND INFORMATION ON INGREDIENTS

Chemical Characterization: Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

Hazardous Components:

7440-70-2	Calcium ⚠ Water-react. 2, H261	34.79%
7631-86-9	Silica	17.12%
7723-14-0	Red phosphorus ⚠ Flammable Liquids 2, H225; Flammable Solids 1, H228; Aquatic Chronic 3, H412	11.17%

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7440-44-0	Activated carbon ⚠ Self-heat. 1, H251	2.56%
7429-90-5	Aluminium foil	1.46%
7439-95-4	Magnesium ⚠ Flammable Solids 2, H228; Pyrophoric Liquids 1, H250; Pyrophoric Solids 1, H250; Water-react. 2, H261	0.89%
7440-23-5	Sodium ⚠ Water-react. 1, H260; ⚠ Skin Corrosion/Irritation 1A, H314	0.41%
7440-09-7	Potassium ⚠ Water-react. 1, H260; ⚠ Skin Corrosion/Irritation 1A, H314	0.25%
7704-34-9	Sulphur ⚠ Skin Corrosion/Irritation 2, H315	0.12%
7727-37-9	Nitrogen ⚠ Gases Under Pressure (Refrigerated liquefied gas), H281	0.11%

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, 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. Never give anything by mouth to an unconscious person. Seek medical attention if symptoms occur.

Symptoms Caused by Exposure:

Inhalation: May cause respiratory irritation and cough.

Skin Contact: May cause mild skin irritation.

Eye Contact: May cause mild eye irritation.

Ingestion: Large quantities may cause nausea and abdominal pain.

5 . FIRE FIGHTING MEASURES

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

Specific Hazards Arising from the Chemical:

Product is not combustible, however in contact with water releases flammable gases. Explosive when mixed with oxidising substances.

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.

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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. Wash away uncontaminated residue with water.

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. Keep away from water and oxidising agents. In contact with water releases flammable gases. Explosive when mixed with oxidising substances.

8 . EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Standards:

Nuisance dust:

TWA: - ppm / 10 mg/m³

STEL: - ppm / - mg/m³

7631-86-9 Silica	
WES	TWA: 2 mg/m ³
7723-14-0 Red phosphorus	
WES	TWA: 0.1 mg/m ³
7429-90-5 Aluminium foil	
WES	TWA: 10* 5** mg/m ³ *metal dust;**welding, pyro powders
7727-37-9 Nitrogen	
WES	Asphyxiant

Engineering Controls:

Maintain air concentration below occupational exposure standards, providing adequate ventilation.

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:

General purpose 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 permeation breakthrough time should be considered.

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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 splashing materials or liquids. See Australian/New Zealand Standard AS/NZS 1337 for more information.

9 . PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

Form:	Granulated particles
Colour:	Dark brown
Odour:	Odourless
Odour Threshold:	No information available
pH-Value:	7.6
Melting point/Melting range:	No information available
Initial Boiling Point/Boiling Range:	No information available
Flash Point:	Not applicable
Flammability:	In contact with water releases flammable gases. Explosive when mixed with oxidising substances.
Auto-ignition Temperature:	No information available
Decomposition Temperature:	No information available
Explosion Limits:	
Lower:	Not applicable
Upper:	Not applicable
Vapour Pressure:	Not applicable
Relative Density:	No information available
Vapour Density:	No information available
Evaporation Rate:	No information available
Solubility in Water:	Soluble
Partition Coefficient (n-octanol/water):	No information available

10 . STABILITY AND REACTIVITY

Possibility of Hazardous Reactions:

Hazardous polymerisation will not occur.
 In contact with water releases flammable gases.
 Explosive when mixed with oxidising substances.

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

Conditions to Avoid: Moisture

Incompatible Materials: Water and oxidising agents.

Hazardous Decomposition Products: No further relevant information available.

11 . TOXICOLOGICAL INFORMATION

Toxicity:

LD₅₀/LC₅₀ Values Relevant for Classification:

7631-86-9 Silica

LD ₅₀	15 mg/kg (rat) (Intravenous)
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Oral	LD ₅₀	50 mg/kg (rat) (Intraperitoneal) 10000 mg/kg (rat)
7440-44-0 Activated carbon		
	LD ₅₀	440 mg/kg (mouse) (Intravenous)
7440-23-5 Sodium		
	LD ₅₀	4000 mg/kg (mouse) (Intraperitoneal)
7440-09-7 Potassium		
	LD ₅₀	700 mg/kg (mouse) (Intraperitoneal)
7704-34-9 Sulphur		
Oral	LD ₅₀	>5000 mg/kg (rat)
Inhalation	LC ₅₀ /4 h	>9200 mg/kg (rat)

Acute Health Effects**Inhalation:** May cause respiratory irritation and cough.**Skin:** May cause mild skin irritation.**Eye:** May cause mild eye irritation.**Ingestion:** Large quantities may cause nausea and abdominal pain.**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:**

Silica, amorphous is classified by IARC as Group 3 - Not classifiable as to its carcinogenicity 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:** No information available

12 . ECOLOGICAL INFORMATION

Ecotoxicity: No further relevant information available.**Aquatic toxicity:** No further relevant information available.**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.

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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

Proper Shipping Name Not regulated

Dangerous Goods Class Not regulated

Packing Group: Not regulated

15 . REGULATORY INFORMATION

Australian Inventory of Chemical Substances:

7440-70-2	Calcium
7631-86-9	Silica
7723-14-0	Red phosphorus
7440-44-0	Activated carbon
7439-95-4	Magnesium
7440-23-5	Sodium
7440-09-7	Potassium
7704-34-9	Sulphur
7727-37-9	Nitrogen
7429-90-5	Aluminium foil

Standard for the Uniform Scheduling of Drugs and Poisons (SUSMP) - Poison Schedule:

Not Scheduled.

16 . OTHER INFORMATION

Date of Preparation or Last Revision: 13.12.2016

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)

Gases Under Pressure (Refrigerated liquefied gas): Gases under pressure – Refrigerated liquefied gas

Flammable Liquids 2: Flammable liquids – Category 2

Flammable Solids 1: Flammable solids – Category 1

Flammable Solids 2: Flammable solids – Category 2

Pyrophoric Liquids 1: Pyrophoric liquids, Hazard Category 1

Pyrophoric Solids 1: Pyrophoric solids, Hazard Category 1

Self-heat. 1: Self-heating substances and mixtures, Hazard Category 1

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Water-react. 1: Substances and mixtures, which in contact with water, emit flammable gases. Hazard Category 1

Water-react. 2: Substances and mixtures, which in contact with water, emit flammable gases. Hazard Category 2

Skin Corrosion/Irritation 1A: Skin corrosion/irritation – Category 1A

Skin Corrosion/Irritation 2: Skin corrosion/irritation – Category 2

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term (Chronic). Category 3

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”

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