

SAFETY DATA SHEET

SECTION 1 IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: GUANO – GRANULATED PHOSPHORUS & CALCIUM

Active Ingredients: Mixture (fossilised seabird guano)
Use: Fertiliser (Natural)
Company: SWITCH AG PTY LTD
Address: 71 GLENLOGAN RD COWRA NSW
2794 Australia
ABN: 44 635 807 055
Emergency Contact: 13 11 26 – Poison Information Centre

SECTION 2 HAZARDS IDENTIFICATION

Poisons Schedule (Aust) Not Scheduled

Globally Harmonised System

Hazard Classification NOT hazardous according to the criteria of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS)

Signal Word None

National Transport Commission (Australia)

Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)

Dangerous Goods Classification

NOT Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)

Safe Work Australia

National Guide for Classifying Hazardous Chemicals under the Model WHS Regulations

Hazard Classification NOT hazardous according to the criteria of Safe Work Australia under Model WHS Regulations

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL	CAS NUMBER	PROPORTION (%W/V)
Mineral phosphate (Guano)	1306-05-4	100 %

SECTION 4 FIRST AID MEASURES

Description of necessary measures according to routes of exposure

Inhalation:

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If respiratory symptoms persist, get medical advice/attention.

Skin Contact:

IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs, get medical advice/attention.

*Suitable emergency safety shower facility should be immediately available.

Eye Contact:

IF IN EYES: Immediately flush eyes with running water for several minutes, holding eyelids open and occasionally lifting the upper and lower lids. Remove contact lenses if present and easy to do. Continue rinsing for at least 15 minutes. If eye irritation persists, get medical advice/attention.

*Suitable emergency eye wash facility should be immediately available.

SECTION 4**FIRST AID MEASURES (continued)****Swallowed:**

IF SWALLOWED: Rinse mouth, then drink plenty of water. Do not induce vomiting unless directed to do so by medical personnel. Get medical advice/attention if large quantities ingested or if you feel unwell.

Advice to Doctor

Treat symptomatically.

*Most important symptoms and effects, both acute and delayed: Ingestion of large quantities may result in nausea and abdominal discomfort. May cause irritation.

*Indication of any immediate medical attention and special treatment needed: No information available.

Medical Conditions Aggravated by Exposure

May aggravate medical conditions such as bronchitis, emphysema, asthma and upper respiratory and lung diseases.

SECTION 5**FIRE FIGHTING MEASURES****General Measures**

If safe to do so, move undamaged containers from fire area. Cool containers with water spray until well after fire is out. Dike fire-control water for later disposal.

Flammability Conditions

Non-flammable.

Extinguishing Media

Use dry chemical, Carbon dioxide (CO₂), foam or water spray for extinction. Do not scatter spilled material with high-pressure water streams.

Fire and Explosion Hazard

No fire or explosion hazards.

Hazardous Products of Combustion

Fire may produce irritating and/or toxic gases, including Phosphorus oxide (POx)

Special Fire Fighting Instructions

Contain runoff from fire control or dilution water - Runoff may cause pollution.

Personal Protective Equipment

Wear positive pressure self-contained breathing apparatus (SCBA). Structural firefighters' protective clothing will only provide limited Protection.

Flash Point No

Data Available

Lower Explosion Limit

No Data Available

Upper Explosion Limit

No Data Available

Auto Ignition Temperature

No Data Available

Hazchem Code

No Data Available

SECTION 6**ACCIDENTAL RELEASE MEASURES****General Response Procedure**

Ensure adequate ventilation. ELIMINATE all ignition sources (if dust clouds can occur). Do not touch or walk through spilled material. Avoid generating dust. Avoid breathing dust and contact with eyes, skin and clothing.

Clean Up Procedures

Sweep up with broom or remove with vacuuming. Keep in suitable, closed containers for disposal (see SECTION 13).

Containment

Stop leak if you can do it without risk. Prevent dust cloud. Prevent entry into waterways, sewers, basements or confined areas.

Decontamination

After spills, wash area preventing runoff from entering drains.

SECTION 6**ACCIDENTAL RELEASE MEASURES (continued)**

Environmental Precautionary Measures Prevent entry into drains and waterways.

Evacuation Criteria Spill or leak area should be isolated immediately. Keep unauthorised personnel away.

Personal Precautionary Measures Use personal protective equipment as required (see SECTION 8).

SECTION 7**HANDLING AND STORAGE****Handling:**

Safety showers and eyewash facilities should be provided within the immediate work area for emergency use. Ensure adequate ventilation. Handle in accordance with good industrial hygiene and safety practice. Minimise dust generation and accumulation. Avoid breathing dust and contact with eyes, skin and clothing. Do not ingest. Use personal protective equipment as required (see SECTION 8).

Storage:

Store in a cool, dry and well-ventilated place, out of direct sunlight. Keep container tightly closed. Protect from physical damage. Protect from moisture. Keep away from heat and sources of ignition - No smoking. Keep away from foodstuffs and incompatible materials (see SECTION 10).

Container:

Keep in the original container.

*Ensure containers are labelled, protected from physical damage and sealed when not in use.

SECTION 8**EXPOSURE CONTROLS / PERSONAL PROTECTION****General**

No specific exposure standards are available for this product. For dusts from solid substances without specific occupational exposure standards:

- Safe Work Australia Exposure Standard (Nuisance dusts): 8 hr TWA = 10 mg/m³ (measured as inhalable dust).
- New Zealand WES (Particulates not otherwise classified): TWA = 10 mg/m³; TWA = 3 mg/m³ (respirable dust).

Exposure Limits

No Data Available

Biological Limits

No information available

Engineering Measures

A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area.

Personal Protection Equipment

- Respiratory protection: In case of inadequate ventilation, wear respiratory protection. Recommended: Dust mask/particulate respirator (refer to AS/NZS 1715 & 1716).
- Eye/face protection: Wear appropriate eye protection to avoid eye contact. Recommended: Face shield and safety glasses.
- Hand protection: Handle with gloves. Recommended: Impervious gloves.
- Skin/body protection: Wear appropriate personal protective clothing to avoid skin contact. Recommended: Overalls, safety shoes. Choose body protection according to the amount and concentration of the hazardous substance(s) at the work place.

Special Hazards Precautions

No information available.

Work Hygienic Practices

Do not eat, drink or smoke when using this product. Wash hands before breaks and at the end of workday. Take off contaminated clothing and wash it before reuse. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces.

SECTION 9**PHYSICAL AND CHEMICAL PROPERTIES****Appearance:****Form:** Powder or granular**Colour:** Dark brown**Odour:** Odourless**Odour Threshold:** No information available**pH-Value:** 8.3**Melting point/Melting range:** No information available**Initial Boiling Point/Boiling Range:** No information available**Flash Point:** Not applicable**Specific Gravity:** 1.76**Properties That May Initiate or** Non-combustible material
Contribute to Fire Intensity:**Reactions That Release Gases or** Fire or heat may produce irritating and/or toxic gases,
Vapours: including Phosphorus oxide (POx).**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**SECTION 10****STABILITY AND REACTIVITY****General Information:** This product is unlikely to react or decompose under normal storage conditions.**Chemical Stability:** Stable.**Conditions to Avoid:** Avoid generating dust. Keep away from heat and sources of ignition.**Materials to Avoid:** No special incompatibilities.**Hazardous Decomposition Products:**Fire or heat may produce irritating and/or toxic gases, including Phosphorus
oxide (POx).**Hazardous Polymerisation:** Will not occur.**SECTION 11****TOXICOLOGICAL INFORMATION****General Information****Information on toxicological effects:**

- Acute toxicity: Low toxicity.
- Skin corrosion/irritation: Non-irritant.
- Serious eye damage/irritation: Low to mild irritant.
- Respiratory/skin sensitisation: No information available.
- Germ cell mutagenicity: No information available.
- Carcinogenicity: No significant ingredient is classified as carcinogenic by IARC.
- Reproductive toxicity: No information available.
- STOT (single exposure): No information available.
- STOT (repeated exposure): No information available.
- Aspiration toxicity: No information available.

Information on likely routes of exposure:

- Ingestion: May cause gastrointestinal disorder. Ingestion of large quantities may result in nausea and abdominal discomfort.
- Eye contact: Low to mild irritant. Exposure may result in irritation, pain and redness.
- Skin contact: Non-irritant. Prolonged and repeated skin contact may cause irritation.
- Inhalation: If product in high concentrations of airborne dust, prolonged exposure may cause irritation to the nose and throat.

SECTION 11**TOXICOLOGICAL INFORMATION (continued)****Chronic effects:**

No information available

Carcinogen Category

None

SECTION 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.

Environmental Fate:

Prevent entry into drains and waterways.

Environmental Impact

No Data Available

Other adverse effects:

No information available.

SECTION 13**DISPOSAL CONSIDERATIONS**

Disposal Containers / Packaging: Destroy empty container and dispose of / destroyed in accordance with local regulations.

Ideally the product should be used for its intended purpose. If there is a need to dispose of the product, approach local authorities who hold periodic collections of unwanted chemicals (ChemClear®).

Disposal of empty containers: Dispose of container in an approved disposal facility.

SECTION 14**TRANSPORT INFORMATION**

This product is not classified as a Dangerous Good by ADG, IATA or IMDG/IMSBC criteria. No special transport conditions are necessary unless required by other regulations.

ADG Code:

None allocated.

Land Transport Code:

None allocated.

UN Number:

None allocated.

UN Proper Shipping Name:

None allocated.

Class and Subsidiary Risk:

None allocated.

Packing Group:

None allocated.

Precaution for User:

No special storage or transport requirements necessary. Not classified as Dangerous Goods according to Australian Dangerous Goods Code.

Hazchem Code:

None allocated.

SECTION 15**REGULATORY INFORMATION****General Information**

No Data Available

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

Not Scheduled.

SECTION 16**OTHER INFORMATION**

Issue Date: 3 August 2026. Valid for 5 years till 3 August 2031. (5 year update). Key to

abbreviations and acronyms used in this SDS:

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

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

TWA: Time Weighted Average

ADG: Australian Dangerous Goods Code

References

1. "Hazardous Chemicals Information System". Safe Work Australia HCIS website. (2025).
2. "Classifying Hazardous Substances" Safe Work Australia. August 2018.
3. Globally Harmonized System of Classification and Labelling of Chemicals (GHS). United Nations, 2017 (7th ED).

The data given here is based on current knowledge and experience. The purpose of this safety data sheet is to describe the products in terms of their safety requirements. The data does not signify any warranty with regard to the products' properties.

This SDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this SDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products.

If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company.

End SDS