

SECTION 1 – IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Chemical Nature:	Bentonite Clay		
Trade Name:	Phoslock Granules / Powder		
SUPPLIER:	Aquatic Technologies		
ADDRESS:	41 Yazaki Way Carrum Downs VIC 3201, Australia		
TELEPHONE	+61 3 9071 2442	FAX:	
Substance:	Granules/powder	Product Use:	Water Treatment
This version issued:	November 2020	Up for revision:	November 2025
In case of Emergency:	13 11 26 – Poisons Information Centre		

SECTION 2 – HAZARDS IDENTIFICATION

Classification of the substance or mixture	
<ul style="list-style-type: none"> This product is classified as NON-HAZARDOUS according to the criteria of NOHSC Australia The product is classified as NON-HAZARDOUS according to GHS This product is classified as NON-HAZARDOUS according to the criteria of Safe Work Australia 	
GHS – GLOBALLY HARMONISED SYSTEM	
GHS Classification	Not applicable
GHS Pictogram	Not applicable
GHS Signal Word	Not applicable
Hazard Statement(s)	
Not applicable	
Precautionary Statement(s)	
While this material is not classified as hazardous, this SDS contains valuable information relating to safe handling and proper use of the product. This SDS should be retained and made available to employees and other users of this product. Exposure to any chemical should be kept to a minimum. Skin or eye contact may result in irritation. Always follow safe industrial hygiene practices and wear proper personal protective clothing and equipment when handling chemicals.	
Acute Health Effects may include:	
Ingestion:	Excessive ingestion may cause nausea or diarrhea. Mouth, throat and stomach may become irritated. Rinse and gargle with water. If symptoms persist, seek medical attention or contact poisons control.
Eye Contact:	May cause irritation. Rinse with water 15 minutes. If symptoms persist, seek medical attention.
Skin Contact:	Prolonged contact may cause irritation to the skin. Wash skin with water.
Inhalation:	Prolonged exposure may cause slight irritation. Move exposed person to fresh air. Rinse mouth and nose with water. Seek medical attention if necessary.
EMERGENCY OVERVIEW	
Colour:	Light Brown
Odour:	Not Available
Physical Description:	Granules / Powder
Major Health Hazards:	None known

SECTION 3 – COMPOSITION AND INFORMATION ON INGREDIENTS

Ingredients:	CAS Number:	Proportion:	PEL/TLV
Bentonite Clay	Not available	Not available	not set

SECTION 4 – FIRST AID MEASURES

Scheduled Poisons: Poisons Information Centre in each Australian State capital city or in Christchurch, New Zealand can provide additional assistance for scheduled poisons. (Phone Australia 131126 or New Zealand 0800 764 766).

First Aid Facilities: Ensure there is access to eye washes and safety showers.

Inhalation: Move victim to fresh air. Obtain medical attention if symptoms occur.

Skin Contact: Wash skin with plenty of water. Seek medical advice (e.g. doctor) if irritation persists for more than 30 minutes.

Eye Contact: If product gets in eyes, wash material from them with running water for 15 minutes, ensuring eyelids are held open. If irritation persists, seek medical advice.

Ingestion: Do NOT induce vomiting. Give water to rinse out mouth, then provide slowly and as much as casualty can comfortably drink. Seek medical advice.

Advice to Doctor: Treat symptomatically

SECTION 5 – FIRE FIGHTING MEASURES

Fire and Explosion Hazards:	Non-combustible
Extinguishing Media:	Use extinguishing media suitable for surrounding area
Flash point:	Non flammable

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Clean up methods:	Small spill – soak up with absorbent material and transfer into suitable container Large spill – wear appropriate PPE. Contain spill and pump into suitable disposal container. If spillage enters waterways, notify appropriate government agencies. Flush and scrub area with detergent and remove residue to prevent slipperiness.
Waste Disposal:	If disposed as shipped is not hazardous waste as specified in 40 CFR 261. Consult state and local officials for proper disposal methods. Observe all local, state and federal regulations.

SECTION 7 – HANDLING AND STORAGE

Handling:	Handle with due care and avoid personal contact. Use in a well-ventilated area. When handling DO NOT eat, drink or smoke. DO NOT allow material to contact humans, exposed food or food utensils. Wash hands after use.
Storage:	Store in a cool, dry area protected from environmental extremes. Keep container closed when not in use. Do not store in direct sunlight.

SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

PERSONAL PROTECTION EQUIPMENT (PPE)

Ventilation:	Local ventilation recommended
Eye Protection:	Safety glasses with side shields
Skin Protection:	Rubber or neoprene gloves
Protective Material Types:	Rubber, Neoprene
Respirator:	Not normally required but advised in situations where there is dust

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical Description and Colour:	Light Brown granules
Odour:	Not available
Boiling Point:	Not applicable
Freezing / Melting Point:	>1000°C
Vapour Pressure:	Not applicable
Vapour Density:	Not applicable
Specific Gravity:	Not available
Water Solubility:	Immiscible
pH as a solution (1%):	7-7.5 (2%)
Flammable Limits:	Not applicable
Viscosity:	Not applicable
Evaporation Rate:	Not applicable

SECTION 10 – STABILITY AND REACTIVITY

Chemical Stability:	Considered stable
Conditions to Avoid:	Direct sunlight
Hazardous Polymerisation:	Hazardous polymerization will not occur

SECTION 11 – TOXICOLOGICAL INFORMATION

Inhaled:	Persons with impaired respiratory function, airway diseases and conditions such as emphysema or chronic bronchitis, may incur further disability if excessive concentrations of particulate are inhaled. If prior damage to the circulatory or nervous systems has occurred or if kidney damage has been sustained, proper screenings should be conducted on individuals who may be exposed to further risk if handling and use of the material result in excessive exposures
Ingestion:	Accidental ingestion of the material may be damaging to the health of the individual. Ingestion may result in nausea, abdominal irritation, pain and vomiting
Skin Contact:	The material is not thought to produce adverse health effects or skin irritation following contact (as classified by EC Directives using animal models). Nevertheless, good hygiene practice requires that exposure be kept to a minimum and that suitable gloves be used in an occupational setting. Open cuts, abraded or irritated skin should not be exposed to this material. Entry into the blood-stream through, for example, cuts, abrasions, puncture wounds or lesions, may produce systemic injury with harmful effects. Examine the skin prior to the use of the material and ensure that any external damage is suitably protected.
Eye:	Although the material is not thought to be an irritant (as classified by EC Directives), direct contact with the eye may cause transient discomfort characterised by tearing or conjunctival redness (as with windburn). Slight abrasive damage may also result. The material may produce foreign body irritation in certain individuals
Chronic:	Limited evidence suggests that repeated or long-term occupational exposure may produce cumulative health effects involving organs or biochemical systems. Long term exposure to high dust concentrations may cause changes in lung function (i.e. pneumoconiosis) caused by particles less than 0.5 micron penetrating and remaining in the lung. A prime symptom is breathlessness. Lung shadows show on X-ray.

SECTION 12 – ECOLOGICAL INFORMATION

No data available

SECTION 13 – DISPOSAL CONSIDERATIONS

All recovered materials should be packaged, labelled, transported and disposed or reclaimed in conformance with applicable laws and regulations

SECTION 14 – TRANSPORT INFORMATION

Shipping Name: PHOSLOCK
Hazard Class: Not applicable
Packaging Group: None allocated

SECTION 15 – REGULATORY INFORMATION**Labeling Details**

GHS Classification	NON-HAZARDOUS
CERCLA RQ	Nil
VOC	Nil
SARA 311/312 (Hazard Class – 40 CFR 370.2)	Nil
SARA 313 (Hazard Class – 40 CFR 372.65)	Nil
SARA 313 (Extremely Hazardous Substances)	Nil

SECTION 16 – OTHER INFORMATION

This SDS contains only safety-related information. For other data see product literature

Date of Last Revision

AT163v2.1-15/12/18

Acronyms

CAS number	Chemical Abstracts Service Registry Number
CERCLA (RQ)	Comprehensive Environmental Response, Compensation, and Liability Act (Reportable Quantity)
GHS	Globally Harmonized System of Classification and Labelling of Chemicals
PEL/TLV	Permissible Exposure Limit / Threshold Limit Value
VOC	Volatile Organic Compounds

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 MUST REVIEW THIS SDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE.

IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY SO WE CAN ATTEMPT TO OBTAIN ADDITIONAL INFORMATION FROM OUR SUPPLIERS OUR RESPONSIBILITY FOR PRODUCTS SOLD IS SUBJECT TO OUR STANDARD TERMS AND CONDITIONS, A COPY OF WHICH IS SENT TO OUR CUSTOMERS AND IS ALSO AVAILABLE ON REQUEST.

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" (Feb 2016)

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END OF SDS