

**SECTION 1 – IDENTIFICATION OF THE MATERIAL AND SUPPLIER**

<b>Chemical Nature:</b>	<i>Naturally occurring bacterial cultures</i>		
<b>Trade Name:</b>	<b>MUCK BREAKER</b>		
<b>SUPPLIER:</b>	Aquatic Technologies		
<b>ADDRESS:</b>	41 Yazaki Way Carrum Downs VIC 3201, Australia		
<b>TELEPHONE</b>	<b>+61 3 9071 2442</b>		
<b>Substance:</b>	Solid puck	<b>Product Use:</b>	Natural Bacteria
<b>This version issued:</b>	September 2021	<b>Up for revision:</b>	September 2026
<b>In case of Emergency:</b>	13 11 26 – Poisons Information Centre		

**SECTION 2 – HAZARDS IDENTIFICATION**

<b>Classification of the substance or mixture</b>	
<ul style="list-style-type: none"> <li>The product is classified as <b>NON-HAZARDOUS</b> according to GHS</li> <li>This product is classified as <b>NON-HAZARDOUS</b> according to the criteria of Safe Work Australia</li> </ul>	
<b>GHS – GLOBALLY HARMONISED SYSTEM</b>	
<b>GHS Classification</b>	Not applicable
<b>GHS Pictogram</b>	Not applicable
<b>GHS Signal Word</b>	Warning
<b>Hazard Statement(s)</b>	
May form combustible dust concentrations in air	
<b>Precautionary Statement(s)</b>	
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.	
<b>Prevention</b>	
Avoid breathing dust/fume/gas/mist/vapours/spray. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves and eye protection.	
<b>Response</b>	
See <i>First Aid Measures Section</i>	
<b>Skin:</b>	IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
<b>Storage</b>	
None	
<b>Disposal</b>	
Dispose of contents/container in accordance with local/regional/national/international regulations.	
<b>Hazards Not Otherwise Classified (HNOC)</b>	
Not Applicable	
<b>Other information</b>	
Cause mild skin irritation/ Repeated or prolonged skin contact may cause allergic reactions with susceptible persons.	
<b>Interactions with other chemicals</b>	
No information available	
<b>EMERGENCY OVERVIEW</b>	
<b>Colour:</b>	Off-white with greenish-brown specks
<b>Odour:</b>	Characteristic
<b>Physical Description:</b>	Solid tablet
<b>Major Health Hazards:</b>	None known

**SECTION 3 – COMPOSITION AND INFORMATION ON INGREDIENTS**

Ingredients:	CAS Number:	Proportion:	PEL/TLV
<i>Bacillus subtilis</i> cultures	68038-70-0	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).

**General Advice:** Show this safety data sheet to the Doctor in attendance.

**Eye Contact:** Irritation: Rinse thoroughly with plenty of water, also under eyelids. If symptoms persist, call a physician.

**Skin Contact:** Wash with soap and water. In case of skin irritation or allergic reactions, seek medical advice.

**Inhalation:** Mild irritation; remove victim to fresh air. Obtain medical attention if symptoms occur.

**Ingestion:** Mild irritation; rinse mouth several times with clean fresh water. Never give any thing by mouth to an unconscious person. If in doubt, contact a Poisons information centre or a doctor. DO NOT induce vomiting. Give plenty of fresh water to drink after rinsing mouth.

**Most Important Symptoms and Effects, Both Acute and Delayed:** None

**Advice to Doctor:** None

**SECTION 5 – FIRE FIGHTING MEASURES**

<b>Suitable Extinguishing Media:</b>	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
<b>Unsuitable Extinguishing Media:</b>	CATION: Use of water spray when fighting fire may be insufficient.
<b>Specific Hazards Arising from the Chemical:</b>	None
<b>Uniform Fire Code:</b>	None
<b>Hazardous Combustion Products:</b>	Carbon Oxides
<b>Explosion Data</b>	
<b>Sensitivity to Mechanical Impact:</b>	No
<b>Sensitivity to Static Discharge:</b>	No
<b>Protective Equipment and Precautions for Firefighter:</b>	As in any fire, wear self-contained breathing apparatus, pressure-demand and full protective gear.

**SECTION 6 – ACCIDENTAL RELEASE MEASURES**




<b>Personal Precautions, Protective Equipment and Emergency Procedures</b>	
<b>Personal Precautions:</b>	Avoid contact with skin and eyes
<b>Environmental Precautions:</b>	Refer to protective measures listed in <i>Sections 7 and 8</i>
<b>Methods and Material for Containment and Cleaning Up</b>	
<b>Containment:</b>	Prevent further leakage or spillage if safe to do so.
<b>Cleaning Up:</b>	Pick up and transfer to properly labelled containers

**SECTION 7 – HANDLING AND STORAGE**

<b>Handling:</b>	Handle in accordance with good industrial hygiene and safety practices. Avoid contact with skin and eyes.
<b>Storage:</b>	Keep container tightly closed.
<b>Incompatible Products:</b>	Strong acids or alkalis, and strong oxidising agents may react with product and de-nature stable enzymes and inactive bacterial cultures.

## SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

### PERSONAL PROTECTION EQUIPMENT (PPE)

<b>Eye and Face Protection:</b>	 	None required for consumer use. If powder generation is likely to occur, wear safety glasses and a dust mask.
<b>Skin Protection:</b>		None required for consumer use. Repeated or prolonged contact: Wear protective gloves and protective clothing.
<b>Respiratory Protection:</b>		No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.
<b>Hygiene Measures:</b>		Handle in accordance with good industrial hygiene and safety practices. Take off contaminated clothing and wash before reuse.

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical Description and Colour:</b>	Tablet, off-white in colour with greenish brown specks
<b>Odour:</b>	Characteristic
<b>Odour Threshold:</b>	Not available
<b>Boiling Point:</b>	None
<b>Flash Point:</b>	None
<b>Freezing / Melting Point:</b>	Not available
<b>Vapour Pressure:</b>	Not available
<b>Vapour Density:</b>	Not available
<b>Specific Gravity:</b>	Not available
<b>Water Solubility:</b>	Dispersible
<b>pH:</b>	None
<b>Flammability (Solid, Gas):</b>	None
<b>Flammable Limits:</b>	Not applicable
<b>Viscosity:</b>	Not available
<b>Evaporation Rate:</b>	Not available
<b>VOC Content (%):</b>	Negligible

## SECTION 10 – STABILITY AND REACTIVITY

<b>Reactivity:</b>	Not available
<b>Chemical Stability:</b>	Stable under recommended storage conditions
<b>Possibility of Hazardous Reactions:</b>	None under normal processing.
<b>Hazardous Polymerisation:</b>	Hazardous polymerisation does not occur.
<b>Conditions to Avoid:</b>	Do not expose to extreme temperatures for long periods of times. Close containers when not in use.
<b>Incompatible Materials:</b>	Strong acids and alkalis, and strong oxidising agents may react with product and de-nature stable enzymes and inactive bacterial cultures.
<b>Hazardous Decomposition Products:</b>	Carbon Dioxides

## SECTION 11 – TOXICOLOGICAL INFORMATION

No adverse health effects would be expected if handled according to the label and this SDS

### Information on Likely Pathways of Exposure

<b>Inhalation:</b>	Not available
<b>Eye Contact:</b>	Not available
<b>Skin Contact:</b>	Not available
<b>Ingestion:</b>	Not available
<b>Component Information:</b>	Not available

### Information on Toxicological Effects

<b>Symptoms:</b>	None known
<b>Delayed and Immediate Effects, as well as Chronic Effects from Short and Long-Term Exposure</b>	
<b>Sensitisation:</b>	Not available
<b>Mutagenic Effects:</b>	Not available
<b>Carcinogenicity:</b>	Contains no ingredients listed as a carcinogen.
<b>Reproductive Toxicity:</b>	Not available
<b>Specific Target Organ Toxicity:</b>	Not available
<b>Chronic Toxicity:</b>	No know effect based on available information.
<b>Target Organ Effects:</b>	Skin.
<b>Aspiration Hazard:</b>	Not available
<b>Numerical Measures of Toxicity:</b>	Not applicable

## SECTION 12 – ECOLOGICAL INFORMATION

This product is not expected to be dangerous to the environment with respect to mobility, persistence and biodegradability, bio-accumulation potential, aquatic toxicity, and other data related to eco-toxicity.

## SECTION 13 – DISPOSAL CONSIDERATIONS

This material as supplied is not a hazardous waste. This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. 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:** Muck Breaker

**Hazard Class:** Not applicable

**Packaging Group:** None allocated

## SECTION 15 – REGULATORY INFORMATION

<b>TSCA:</b>	Complies
<b>DSL:</b>	All components listed are either on the DSL or NDSL.
<b>GHS Classification:</b>	NON-HAZARDOUS
<b>VOC:</b>	Nil
<b>CWA:</b>	This product does not contain any substances regulated as pollutants.
<b>CERCLA:</b>	This material, as supplied does not contain any substances regulated as hazardous substances.
<b>SARA 313</b>	
Section 313 of Title III of the Superfund Amendments and Reauthorisation Act of 19896 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Cat and Title 40 of the Code of Federal Regulations, Part 372.	
<b>Acute Health Hazard:</b>	Yes
<b>Chronic Health Hazard:</b>	No
<b>Fire Hazard:</b>	No
<b>Sudden Release of Pressure Hazard:</b>	No
<b>Reactive Hazard:</b>	No

## SECTION 16 – OTHER INFORMATION

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

### Date of Last Revision

28/09/2021

### Acronyms

<b>CERCLA (RQ)</b>	Comprehensive Environmental Response, Compensation, and Liability Act (Reportable Quantity)
<b>CWA</b>	Clean Water Act
<b>DSL</b>	Canadian Domestic Substances List/Non-Domestic Substances List
<b>GHS</b>	Globally Harmonised System of Classification and Labelling of Chemicals
<b>TSCA</b>	United States Toxic Substances Control Act
<b>VOC</b>	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**