

MATERIAL SAFETY DATA SHEETS

ALOSCA Granules

Version: 4

Issued: 4th August 2024

CLASSIFICATION OF MATERIAL

Hazardous according to criteria of the Globally Harmonised System of Classification and Labelling of Chemicals 3rd Revised Edition.

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

1.1 Product:	Alosca Granules
1.2 UN Proper Shipping Name:	None allocated
1.3 Recommended Use:	Microbial inoculant carrier
1.4 Supplier:	ALOSCA Technologies Pty Ltd
1.5 A.B.N:	11 100 815 638
1.6 Address:	1/50 Attwell St, Landsdale WA, 6065
1.7 Telephone Number:	(08) 6305 0123 (Australia)
1.8 Email:	pdixon@alosca.com.au
1.9 Emergency Telephone Numbers:	(08) 6305 0123 (Australia: Weekdays 8.00am to 5.00pm) Poisons Information Centre Australia: 131 126 Poisons Information Centre New Zealand: 0800 764 766

2. HAZARDS IDENTIFICATION

Health effects – acute

Swallowed:	Ingestion of amount >15g may cause gastrointestinal disturbances.
Eye:	May cause redness, tearing blurred vision and irritation.
Skin:	May cause irritation.
Inhaled:	May cause shortness of breath, irritation and reduced pulmonary function.
Chronic:	Repeated or prolonged skin contact may cause dermatitis. Crystalline silica impurity may cause delayed respiratory disease if inhaled over a prolonged period of time.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Name	CAS	%
Bentonite	1302-78-9	83.72
Silica (crystalline-quartz)	14808-60-7	2.59
Peat		9.59
Rhizobium Bacteria Substrate		4.1

This is a commercial product whose exact ratio of components may vary slightly. Minor quantities of other non-hazardous ingredients are also possible.
The SWA TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5-day working week.

Exposure limits (TWA)

Name	CAS	Proportion	NOHSC TWA	ACGIH TLV
Silica (crystalline quartz)	14808-60-7	3 % (impurity)	0.2mg/m3	0.05mg/m3

4. FIRST AID MEASURES

4.1 Description of Necessary First Aid Measures

Ingestion:	Give nothing to drink. Do not induce vomiting. Seek immediate medical assistance. Do NOT give water if large amounts ingested – product will expand when wetted and may cause blockage.
Eye:	Immediately irrigate with copious water. Seek medical attention.
Skin:	Wash affected areas with copious quantities of water immediately. Remove contaminated clothing and wash before re-use
Inhalation:	Remove victim to fresh air, employ oxygen or artificial respiration if necessary. Seek medical attention.

4.2 Medical Attention and Special Treatment

First Aid Facilities:	No special facilities required.
Comments:	Treat according to person's condition and specifics of exposure.
Advice to Doctor:	Treat symptomatically.

5. FIRE FIGHTING MEASURES

Non-flammable under conditions of use but will burn at elevated temperatures. Product when mixed with air can explode in the presence of an appropriate ignition source.

5.1 Flash Point	Does not burn.
5.2 Upper Flammability Limit:	Does not burn.
5.3 Lower Flammability Limit:	Does not burn.
5.4 Autoignition temperature:	Does not burn.
5.5 Flammability Class:	Does not burn.

6. ACCIDENTAL RELEASE MEASURES

Minor spills do not normally need any special cleanup measures. In the event of a major spill, prevent spillage from entering drains or water courses.

Stop leak if safe to do so and contain spill. Sweep up and shovel or collect recoverable product into labelled containers for recycling or salvage and dispose of promptly. Consider vacuuming if appropriate. Recycle containers wherever possible after careful cleaning. After spills, wash area preventing runoff from entering drains. If a significant quantity of material enters drains, advise emergency services. This material may be suitable for approved landfill. Ensure legality of disposal by consulting regulations prior to disposal. Thoroughly launder protective clothing before storage or re-use. Advise laundry of nature of contamination when sending contaminated clothing to laundry.

7. HANDLING AND STORAGE

Keep exposure to this product to a minimum, and minimise the quantities kept in work areas. Check Section 8 of this MSDS for details of personal protective measures, and make sure that those measures are followed. The measures detailed below under "Storage" should be followed during handling in order to minimise risks to persons using the product in the workplace. Also, avoid contact or contamination of product with incompatible materials listed in Section 10.

Storage: Make sure that containers of this product are kept tightly closed. Keep containers dry and away from water. Make sure that the product does not come into contact with substances listed under "Incompatibilities" in Section 10.

Check packaging - there may be further storage instructions on the label.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

No special equipment is usually needed when occasionally handling small quantities. The following instructions are for bulk handling or where regular exposure in an occupational setting occurs without proper containment systems.

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|-----------------------------|---|
| 8.1 Eye Protection: | Eye/face protective equipment should comprise as a minimum, protective goggles. |
| 8.2 Skin Protection: | As a minimum, wear overalls, goggles and gloves. Suitable materials for protective clothing include cotton, rubber, PVC. |
| 8.3 Respirator | If there is a significant chance that dusts are likely to build up in cleanup area, we recommend that you use a suitable Dust Mask. Use a P1 mask, designed for use against mechanically generated particles e.g. silica & asbestos. Otherwise, not |
| 8.4 Ventilation | This product should only be used in a well-ventilated area. If natural ventilation is inadequate, use of a fan is suggested. |

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9. PHYSICAL AND CHEMICAL PROPERTIES

Physical Description & Colour:	Odourless, grey to pale brown powder or granules
Odour:	No odour
Boiling Point:	Not available.
Freezing/Melting Point:	Solid at normal temperatures.
Volatiles:	No data.
Vapour Pressure:	No data.
Vapour Density:	Not applicable.
Specific Gravity:	Maximum 2.01
Water Solubility:	Negligible solubility, forms colloidal suspension in water
pH:	7.5-8.0 (5% suspended in water)
Volatility:	No data.
Odour Threshold:	No data.
Evaporation Rate:	Not applicable. No data
Coeff Oil/water Distribution: Viscosity:	Not applicable.
Autoignition temp:	Not applicable - does not burn.

10. STABILITY AND REACTIVITY

10.1 Reactivity:	This product is unlikely to react or decompose under normal storage conditions. However, if you have any doubts, contact the supplier for advice on shelf life properties. This product will not undergo polymerisation reactions.
10.2 Chemical Stability:	The product is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.
10.3 Conditions To Avoid:	Direct sunlight and heat. Keep containers tightly closed. Containers should be kept dry.
10.4 Incompatible Materials and Possible Hazardous Reactions:	
10.5 Fire Decomposition:	No significant quantities of decomposition products are expected at temperatures normally achieved in a fire.

11. ECOLOGICAL INFORMATION

This product is unlikely to adversely effect the environment. Salts, acids and bases are typically diluted and neutralised when released to the environment in small quantities. Expected to not be an environmental hazard.

12. DISPOSAL CONSIDERATIONS

Eliminate all ignition sources. Stop leak if safe to do so. Prevent entry into waterways, drains and confined areas. Prevent dust cloud. Use non-sparking tools to collect material and place it into loosely covered plastic containers for later disposal

13. TRANSPORTATION INFORMATION

No special precautions required. Keep dry and avoid spillage – exercise good housekeeping. Product becomes slippery when wetted

13.1	UN Number:	Not applicable.
13.2	UN Proper Shipping Name:	Not applicable.
13.3	Dangerous Goods Class:	Not applicable.
	Packing Group:	Not applicable.
13.4	Environmental Hazards:	Not applicable.
13.5	Special Precautions During Transport:	Not applicable.
13.6	HAZCHEM Code:	Not applicable.
	Additional Shipping Information:	Not applicable.

14. REGULATORY INFORMATION

All of the significant ingredients in this formulation are compliant with NICNAS regulations.

15. OTHER INFORMATION

15.1	Issue Date:	4 th August 2024.
15.2	Contact Points:	Peter Dixon
	Title / Position:	Sales Manager
	Telephone:	(08) 6305 0123 (Australia: Weekdays 8.00am to 5.00pm).
	E-mail:	pdixon@alosca.com.au
15.3	After Hours Emergency Medical Assistance:	Poisons Information Centre.
	Telephone:	Australia: 131 126.

Disclaimer:

This information is provided based on our current knowledge and is intended to describe the product for the purpose of health, safety and environment requirements only. ALOSCA Technologies Pty Ltd makes no representation, guarantee or warranty, expressed or implied, as to the accuracy, reliability or completeness of the information and assumes no responsibility for injury, damage or loss resulting from the use of the material. Since ALOSCA Technologies Pty Ltd cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this MSDS in the context of how the user intends to handle and use the product.

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Please read all labels carefully before using product.

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