

MATERIAL SAFETY DATA SHEET



PRODUCT NAME: EXPERT GARDENER PERLITE

SECTION 1: IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: Expert Gardener Perlite

Other names: Richgro Product Code: PMZ0050

Recommended use: Horticulture and Hydroponics media

Company name: Richgro Garden Products

Address: 203 Acourt Road, Jandakot

State: WA

Postcode: 6164

Telephone number: 08 6258 7100

Emergency Telephone No: 1800 455 132

SECTION 2: HAZARD IDENTIFICATION

Hazard Classification, including a statement of overall hazardous nature

NON-HAZARDOUS SUBSTANCE.

Hazard classification according to the criteria of NOHSC.

DANGEROUS GOODS.

NON-DANGEROUS GOODS.

Dangerous goods classification according to the Australia Dangerous Goods Code.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Chemical identity of ingredients	Proportion of ingredients	CAS Number for ingredients
Perlite This product contains <0.1% crystalline silica.	99.9 – 100 %	93763-70-3

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SECTION 4: FIRST AID MEASURES

Inhaled:	If inhaled, remove from contaminated area. Apply artificial respiration if not breathing. If symptoms develop seek medical attention.
Ingestion:	Do NOT induce vomiting. Wash out mouth with water and give plenty of water to drink. If symptoms develop seek medical attention.
Skin:	Wash affected area thoroughly with soap and water. Remove contaminated clothing and wash before reuse or discard. If symptoms develop seek medical attention.
Eyes:	Flush gently with running water for at least 15 minutes lifting lower and upper eyelids occasionally. Seek medical attention if irritation develops.
First Aid Facilities:	Normal washroom facilities.
Advice to Doctor:	Treat symptomatically.

SECTION 5: FIRE FIGHTING MEASURES

Product flammability

Non-flammable.

Suitable extinguishing media

Use appropriate fire extinguisher for surrounding environment.

Hazard from combustion products

Non combustible material.

Hazchem Code

None allocated

SECTION 6: ACCIDENTAL RELEASE MEASURES

Methods and Materials for containment and clean up Emergency Procedures

Increase ventilation. Evacuate all unnecessary personnel. Wear respiratory protection as specified in the Protective Equipment section of this MSDS.

Dampen spilled material with water to avoid airborne dust, and then transfer material to a suitable container. Use absorbent paper dampened with water to pick up remaining material. Wash surfaces well with soap and water. Seal all wastes in vapour tight labeled plastic containers for eventual disposal. If this material enters the waterways contact the Environmental Protection Authority, or your local Waste Management Authority.

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SECTION 7: HANDLING AND STORAGE

Precautions for safe handling

Avoid generating dust. Use smallest possible amounts in designated areas with adequate ventilation. Have emergency equipment (for fires, spills, leaks, etc.) readily available. Label containers. Keep containers closed when not in use. Wear appropriate protective equipment to prevent inhalation, skin and eye contact. Ensure a high level of personal hygiene is maintained when using this product - always wash hands before eating, drinking, smoking or using the toilet.

Conditions for safe storage, including any incompatibilities

Store in a cool, dry, well-ventilated area, out of direct sunlight and moisture. Store in labeled containers. Keep containers tightly closed. Store away from water and incompatible materials. Have appropriate fire extinguishers available in and near the storage area.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

National exposure standards

No exposure standards have been established for this material, however, the TWA National Occupational Health And Safety Commission (NOHSC) exposure standards for dust not otherwise specified is 10 mg/m³.

Biological Limit

No biological limit allocated.

Engineering controls

Use with good general ventilation. If dusts are produced local exhaust ventilation should be used.

Personal protective equipment

Respirator Type: If engineering controls are not effective in controlling airborne exposure then respiratory protective equipment should be used suitable for protecting against airborne contaminants. Final choice of appropriate breathing protection is dependant upon actual airborne concentrations and the type of breathing protection required will vary according to individual circumstances. Reference should be made to Australian Standards AS/NZS 1715, Selection, Use and maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices.

Eye Protection

Safety glasses with side shields, goggles or full-face shield as appropriate recommended. Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.

Hand Protection

Generally not required, however for industrial use, wear gloves of impervious material. Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.

Body Protection

Suitable work wear should be worn to protect personal clothing. Industrial clothing should conform to the specifications detailed in AS/NZS 2919: Industrial clothing.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance (colour, physical form, shape):

Off-white, odourless, free flowing granules.

Melting point ~1250°C

Boiling point Not applicable

Vapour pressure Not applicable

Specific gravity ~2.2 – 2.5

Flash point Not relevant

Flammability Limit LEL Not relevant

Flammability Limit LEL Not relevant

Bulk density 45 – 120 kg/m³

pH value 7 – 8 (10% concentration in water)

SECTION 10: STABILITY AND REACTIVITY

Chemical stability

Stable under normal conditions.

Hazardous Polymerization

Not expected to occur.

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SECTION 11: TOXICOLOGICAL INFORMATION

HEALTH EFFECTS

Inhalation:

Inhalation of airborne dust may cause irritation to the mucous membrane and upper airways. Symptoms of exposure can include coughing, sneezing and breathing difficulties.

Skin:

Skin contact may cause mechanical irritation resulting in redness and itching.

Eye:

Eye contact may cause mechanical irritation. May result in mild abrasion.

Ingestion:

Ingestion of this product may irritate the gastric tract causing nausea and vomiting.

Chronic effects

Not expected to cause chronic health effects.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

No data is available for this material.

Persistence /Degradability

No data is available for this material.

Mobility

No data is available for this material.

Environ. Protection

Prevent this material entering waterways, drains and sewers.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal methods and containers

Dispose of waste according to federal, EPA and state regulations.

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SECTION 14: TRANSPORT INFORMATION

UN Number

None allocated

UN Proper shipping name

None allocated

Class and subsidiary risk

Not classified as a Dangerous Good, according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (6th Edition).

Packing group

None allocated

DG Class

None allocated

Hazchem code

None allocated

SECTION 15: REGULATORY INFORMATION

Australian regulatory information

A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP).

All chemicals listed on the Australian Inventory of Chemical Substances (AICS).

SECTION 16: OTHER INFORMATION

Key / legend to abbreviations and acronyms used in the MSDS

NOHSC
SUSDP
ACGIH
ES-TWA
t/m³
mg/m³
mg/kg
pH

National Occupational Health and Safety Commission
Standard for the Uniform Scheduling of Drugs and Poisons
American Conference of Government Industrial Hygienists
Exposure Standard – Time weighted average
Tonnes per cubic metre
Milligrams per cubic metre
Milligrams per kilogram
Relates to hydrogen ion concentration - this value will relate to a scale of 0 - 14, where 0 is highly acidic and 14 is highly alkaline

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IMPORTANT NOTES

1. To the best of our knowledge this document complies with the National Code of Practice for the Preparation of Material Safety Data Sheets 2nd Edition [NOHSC:2011 (2003)].
2. This material safety data sheet 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 material safety data sheet 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.
3. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact the Safety and Emergency Services Department, Richgro Garden Products on (08) 9455 1323 (Australia), +61 8 9455 1323 (Overseas).
4. Our responsibility for products sold, is subject to our terms and conditions, a copy of which is sent to our customers, and is also available on request.
5. Richgro Garden Products reserves the right to make change to material safety data sheets without notice.