SAFETY DATA SHEET

Reviewed: 15 Jan 2025

1. IDENTIFICATION

Product Name:	**AUSPERL PERFLO**
Other Names:	Perflo AP10; Perflo AP20; Perflo AP40; Perflo AP50; Perflo AP 60; Perflo AP70; Perflo AP70s; Perflo AP80 and Perflo AP80s.
Supplier:	Ausperl Pty Ltd
Physical Address:	64 Gow Street, Padstow, Sydney, NSW 2211, Australia
Phone:	+61 2 8318 7824
24-hour Emergency:	131126
Fax:	+61 2 9791 1350

2. HAZARDS IDENTIFICATION

Definition:	Non-hazardous
Approval Description:	N/A
GHS Class:	None
UN Number:	N/A
Hazchem Code:	N/A
Packaging Group:	N/A
Proper Shipping Name:	None, not defined as a dangerous good
Other Classifications:	None known
Acute – Ingestion:	No adverse effects expected.
Acute – Eye:	Exposure to dust may cause discomfort due to the particulate nature.
Acute – Skin:	Not expected to be a skin irritant.
Acute – Inhalation:	Inhalation of dust may result in respiratory irritation.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Product Use:	Extender, flattening agent, filter media, pesticide carrier, etc.
Description:	Perlite is an amorphous, hydrated glassy volcanic rock of rhyolitic composition, consisting primarily of fused sodium potassium aluminium silicate.

Ingredients:

Name	CAS Proportion
Perlite ore:	93763-70-3; greater than 99.9%
Crystalline silica:	14464-46-1; less than 0.1%
Cristobalite quartz:	14808-60-7; less than 0.1%

4. FIRST AID MEASURES

Ingestion:	Rinse mouth with water - give plenty of water to drink. Do not induce vomiting. If vomiting occurs give further water. Get medical attention if discomfort continues.
Eye:	Wash carefully with water for several minutes. If eye irritation continues contact a doctor. Bring this SDS.
Skin:	Wash exposed skin with enough soap and water to remove the material.
Inhalation:	Inhalation of airborne dust may irritate mucous membranes and upper airways. If coughing, dizziness or shortness of breath is experienced, remove the patient to the fresh air. Encourage the patient to gently. blow nose to ensure clear passage of breathing if they can. Encourage them to remove the contaminated clothing and loosen the remaining clothing. Patient to assume the most comfortable position and kept at rest until fully recovered.
Advice to Doctor:	Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Perlite is a fully oxidized non-flammable mineral. It is non-combustible.

Advice to firefighters:	Noncombustible, not considered a fire risk.
Suitable extinguishers:	Carbon dioxide, extinguishing powder, or water jet.
Unsuitable extinguishers:	not known.
Hazchem code:	N/A

6. ACCIDENTAL SPILL/ RELEASE MEASURES

There is no current legal requirement for the containment of this product. Perlite is inert and is not expected to present a hazard to the environment.
In the event of a spillage, vacuum or sweep up, but avoid generating dust (ideally apply water to suppress dust). Use a dust mask, and safety glass for nuisance dust & eye protection.
This material is suitable for approved landfills.

7. HANDLING AND STORAGE

Not defined as a Dangerous Good. Store in a dry place. Avoid generating and inhaling dust. Keep containers closed when not in use. See section 8 regarding PPE.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

No value was assigned for this specific material by the Occupational Health & Safety Administration (USA), SafeWork Australia or WorkSafe New Zealand.

	WES-TWA	WES-STEL
Exposure Standards:		
Perlite	Data Unavailable	Data Unavailable
Quartz (SiO_2), Respirable Dust	0.2mg/m3	Data Unavailable

Other Exposure Info:	In an industrial environment, it is expected that an employee will be exposed to hazardous substances. Although this product is not classified as hazardous, by applying the risk control matrix specified by the relevant Health and Safety Legislation, exposure can be minimized by using the engineering controls and protective equipment below.
Engineering Controls:	Ensure ventilation is adequate to maintain air concentrations below exposure standard. Avoid generating and inhaling dust. If you believe the levels of dust are high, modify your process or increase ventilation or wet sweep to suppress dust. Keep containers closed when not in use.
Protective Equipment:	No specific safety equipment is required. Preferably to avoid skin and eye contact and inhalation of dust. To avoid nuisance dust, wearing a dust mask, safety glasses and impervious gloves is recommended. Avoid generating and inhaling dust. If dust exists, wear a dust mask meeting the requirements of AS1715 and AS1716. Always observe good hygiene practices and wash hands before eating, drinking, smoking, or going to the bathroom.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Off-white, odourless, free-flowing powder
Melting Point:	Approx. 1250°C
Boiling Point:	N/A
Vapor Pressure:	N/A
Specific Gravity:	200-250kg/m3
Flash Point:	N/A
Flamm. Limit LEL:	N/A
Explosion Data:	N/A

10. STABILITY AND REACTIVITY

Stability:	Stable product under normal conditions of temperature and pressure.
Reactivity:	There are no known reactivity hazards associated with this product
Incompatible material:	No incompatible groups noted.
Hazardous decomposition:	None
Conditions to avoid:	None

11. TOXICOLOGICAL INFORMATION

Inhaling crystalline silica-containing dust can aggravate upper respiratory conditions such as asthma or emphysema. Long-term exposure to mineral dust which contains crystalline silica can cause lung disease and silicosis. A recent review by the International Agency for Research into Cancer of public literature on the carcinogenic risk of silica and silicates has concluded that there is limited evidence for the carcinogenicity of crystalline silica in humans.

12. ECOLOGICAL INFORMATION

This product is not considered ecotoxic to the aquatic environment.

13. DISPOSAL CONSIDERATIONS

There are no product-specific restrictions, however, we recommend reusing or recycling where possible and disposing of it as per local regulations.

14. TRANSPORT INFORMATION

Not defined as a Dangerous Good. There are no applicable UN, Class, Shipping Name, Hazchem codes, numbers, or precautions.

15. REGULATORY INFORMATION

Based on the information available it is not classified as hazardous.

No poison schedule or classification number has been allocated by SafeWork Australia.

Inventory Listings:

AICS (Australian Inventory of Chemical Substances)
All components are listed on AICS or are exempt.

AUSTRALIA: HCIS (Hazardous Chemical Information System)
All components are listed on HCIS or are exempt.

16. OTHER INFORMATION

This safety data sheet and the information contained herein are provided for the sole purpose of enabling people handling and using the product to do so safely. It is based on our current state of knowledge and is given in good faith and constitutes a guideline for safely using this product. As all possible scenarios cannot be anticipated, it is expected that when using this product, the user will assess the frequency and duration of use, the quantity used and the control measures in place before assessing the level of personal protective equipment that they chose to use to minimize their exposure to the product.

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