AUSPERL PERFLO

SAFETY DATA SHEET

Revised: 14 August 2026

1. IDENTIFICATION

Product identifier:	AUSPERL PERFLO
Other names:	Perflo AP10; AP20; AP40; AP50; AP60; AP70; AP80
Recommended use:	Filter aid and industrial mineral applications.
Supplier:	Ausperl Pty Ltd
Address:	64 Gow Street, Padstow, Sydney, NSW 2211, Australia
Telephone:	+61 2 8318 7824
Emergency information:	Australia: Poisons Information Centre 13 11 26. New Zealand: National Poisons Centre 0800 POISON (0800 764 766). For workplace emergencies, contact emergency services as appropriate.
Website:	www.ausperl.com

2. HAZARD IDENTIFICATION

Classification:	Not classified as hazardous according to Australian GHS classification criteria on the information available.
Signal word / pictograms:	None required.
Hazard statements:	None allocated.
Precautions:	Avoid generating and inhaling dust. Provide adequate ventilation and dust controls. Use respiratory protection where required by exposure assessment.
Other hazards:	Airborne dust may mechanically irritate the eyes, skin and upper respiratory tract. Repeated or prolonged exposure to respirable crystalline silica requires effective exposure control.
Transport:	Not classified as a dangerous good.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Perlite ore	CAS 93763-70-3 | >99.9%
Cristobalite	CAS 14464-46-1 | <0.1%
Quartz / crystalline silica	CAS 14808-60-7 | <0.1%
Description	Perlite is an amorphous, hydrated volcanic glass of rhyolitic composition, consisting predominantly of fused sodium, potassium and aluminium silicates.

4. FIRST-AID MEASURES

Inhalation:	Move to fresh air and allow the person to rest. Seek medical attention if coughing, breathing difficulty or irritation persists.
Skin:	Wash exposed skin with soap and water. Seek medical attention if irritation persists.
Eyes:	Rinse cautiously with clean water for several minutes. Remove contact lenses if easy to do so. Obtain medical attention if irritation persists.
Ingestion:	Rinse mouth and give water to drink. Do not induce vomiting. Seek medical advice if discomfort develops or persists.
Medical advice:	Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Extinguishing media:	Use media appropriate for the surrounding fire.
Specific hazards:	PERFLO is a non-combustible mineral and does not itself present a fire hazard.
Firefighter protection:	Use protective equipment appropriate to the surrounding fire. Where significant smoke or dust is present, use suitable respiratory protection.
Hazchem:	None allocated.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Avoid breathing dust and restrict unnecessary access. Provide adequate ventilation.
Environmental precautions:	Perlite is an inert mineral and is not expected to present a significant environmental hazard. Prevent large quantities entering drains or waterways where practicable.
Clean-up:	Avoid airborne dust. Collect with a suitable industrial vacuum or damp cleaning method and place recovered material in a suitable container.

7. HANDLING AND STORAGE

Handling:	Minimise dust generation and provide ventilation at dust-generating operations. Maintain good workplace hygiene.
Storage:	Store in a dry, well-ventilated area and protect from moisture. Keep packaging closed or sealed when not in use.
Incompatibilities:	No specific incompatibilities identified for normal storage and handling.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Standards:	Perlite dust: 10 mg/m³ as an 8-hour TWA for inhalable dust; where crystalline silica is present, the applicable crystalline silica exposure limit takes precedence.
Engineering Controls:	Adequate general and local exhaust ventilation, process controls, and dust suppression.
Work Practices:	Avoid generating and inhaling dust; no compressed air for cleaning; use wet cleaning or suitable industrial vacuum methods.
Respiratory:	Suitable particulate respiratory protection selected, fitted and maintained in accordance with AS/NZS 1715 and AS/NZS 1716.
Eye / Skin:	Safety glasses or goggles where dust may be generated; gloves and suitable work clothing where repeated contact occurs.
Hygiene:	Wash hands after handling and before eating, drinking or smoking.
WES/WEL Transition:	From 1 December 2026 the terminology changes from WES to WEL; the RCS limit remains 0.05 mg/m³ as an 8-hour TWA, and the proposed reduction to 0.025 mg/m³ was not adopted for that transition.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Off-white, odourless, free-flowing powder.
Physical State:	Solid / powder.
Melting Point:	Approximately 1250 °C.
Boiling Point:	Not applicable.
Bulk Density:	Approximately 200–250 kg/m³.
Flash Point:	Not applicable; non-combustible.
Explosive Properties:	No explosive properties expected under normal conditions.
Solubility:	Insoluble in water.
pH:	Not determined for the dry product.

10. STABILITY AND REACTIVITY

Reactivity / Stability:	Stable under normal storage and handling conditions.
Hazardous Reactions:	No hazardous polymerisation or other hazardous reaction is expected under normal conditions.
Conditions to Avoid:	Avoid unnecessary dust generation and excessive moisture.
Incompatible Materials:	No specific incompatibilities identified for normal use.
Decomposition:	None expected under normal conditions.

11. TOXICOLOGICAL INFORMATION

Exposure Routes:	Inhalation of airborne dust is the principal occupational exposure route; eye and skin contact may also occur.
Acute Effects:	Dust may cause temporary irritation of the eyes, skin or upper respiratory tract.
Chronic Effects:	Repeated or prolonged inhalation of respirable crystalline silica can cause serious respiratory disease, including silicosis.
Carcinogenicity:	Crystalline silica is recognised as a carcinogenic hazard when inhaled as respirable crystalline silica, but the concentration in PERFLO is below the generic concentration threshold used for classification of the product as hazardous on the information available.
Other:	No specific evidence available indicating sensitisation or reproductive toxicity.

12. ECOLOGICAL INFORMATION

Ecotoxicity:	No specific ecotoxicity data available; the product is an inert mineral and is not expected to present significant aquatic toxicity.
Persistence:	Persistence / bioaccumulation not applicable or not expected for an inorganic mineral.
Mobility:	Particulate material may settle from water.
Other:	Avoid unnecessary release of large quantities to drains and waterways.

13. DISPOSAL CONSIDERATIONS

Product disposal:	Reuse or recycle uncontaminated material where practicable. Dispose in accordance with applicable local, state and federal requirements.
Packaging:	Handle empty packaging in accordance with local waste requirements. Do not burn packaging containing product residues.

14. TRANSPORT INFORMATION

ADG / road and rail:	Not classified as a dangerous good.
UN number / proper shipping name:	Not applicable / not regulated.
Transport hazard class / packing group:	Not applicable.
Marine pollutant:	Not classified as a marine pollutant.
Precautions:	Protect packaging from damage and moisture during transport.

15. REGULATORY INFORMATION

Australian classification:	Not classified as a hazardous chemical on the information available.
SUSMP:	No poison schedule is allocated on the information available.
AICS:	Components are listed on the Australian Inventory of Industrial Chemicals or are exempt, based on information available.
HCIS:	Components are listed on HCIS or are exempt, based on information available.
Workplace exposure:	Applicable workplace exposure standards/limits must be observed. See Section 8.

16. OTHER INFORMATION

SDS status:	Revised SDS for AUSPERL PERFLO.
Review date:	August 2031.
Revision basis:	Updated to improve Australian SDS structure, clarify dust and crystalline silica controls, and reflect the current WES-to-WEL transition.
References:	Safe Work Australia: Preparation of Safety Data Sheets for Hazardous Chemicals; workplace exposure standards/limits for airborne contaminants; GHS 7; ADG Code.
Disclaimer:	This SDS describes the product as supplied. Workplace risk assessment should consider the actual task, quantity handled, dust generation, engineering controls and exposure monitoring.

DOCUMENT CONTROL

Revision:	1.0
Date:	August 2026
Description:	New SDS for AUSPERL PERFLO.
Status:	Approved