

AeroCOOL™ Clay Hot-Cold Pack

Safety Data Sheet



Section 1 - Identification

Product Identifier: AeroCool™ Clay Hot-Cold Pack
Other Names: Compress, cold pack (GMDN Code: 34964)
Recommended Use: A device that is intended to be applied with pressure to a body surface to provide cold therapy to that surface and/or underlying tissue, e.g. the muscle. This is a single-use device.
Restrictions on Use: For external use only.

Supplier Details:

Aero Healthcare
2 Cameron Drive, Armidale NSW 2350, Australia
Tel: 1800 628 881 Landline: 02 6776 7200 Email: CustomerService@aerohealthcare.com
Emergency (after hours): Poisons Information Centre **13 11 26**

Section 2 – Hazard(s) Identification

GHS Classification: Not classified as hazardous.

Signal Word: None.

Hazard Statement(s): Not hazardous.

Precautionary Statements:

Prevention	Response	Storage	Disposal
P102 Keep out of reach of children.	P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P332 + P313 If skin irritation occurs: Get medical advice. P337 + P313 If eye irritation persists: Get medical advice. P370 + P378 Not combustible. Use extinguishing media suited to surrounding materials.	P402 + P404 Store in a dry place. Store in a closed container. P403 + P235 Store in a well-ventilated place. Keep cool.	P501 Dispose of contents/container in accordance with local regulations.

ADG Classification: Not classified as Dangerous Goods.

SUSMP Classification: None allocated.

Emergency Overview:

Soft clay-like material enclosed in a sealed pouch. Odourless. Product is non-hazardous and non-flammable.

Section 3 – Composition and Information on Ingredients

Ingredient	CAS Number	Proportion	Classification
Water	7732-18-5	75–85%	Non-hazardous
Clay/Bentonite	1302-78-9	10–20%	Non-hazardous; trade secret
Bitrex (Denatonium Benzoate)	3734-33-6	<1%	Bittering agent
PE/Nylon Pouch	-	1–5%	Outer sealed layer
Outer Cover (Polyester/PVC)	-	<5%	External wrap

No hazardous ingredients present at levels requiring classification.

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Section 4 – First Aid Measures

General Advice:

If irritation or discomfort occurs, seek medical advice. Show this Safety Data Sheet (SDS) to the health professional.

Inhalation: Not expected to be an inhalation hazard under normal conditions of use. If mist or vapour is generated and inhaled, move the person to fresh air. Seek medical advice if symptoms such as coughing or discomfort occur.

Skin Contact: If leakage occurs and skin contact happens, rinse the affected area with lukewarm, gently flowing water. Seek medical attention if irritation develops or persists.

Eye Contact: If product enters the eyes, rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Seek medical attention if irritation persists.

Ingestion: Rinse mouth with water. Do not induce vomiting. Seek medical advice if discomfort occurs or if large amounts have been swallowed.

Symptoms and Effects: None known or expected.

Advice to Doctor: Treat symptomatically.

Section 5 - Firefighting Measures

Suitable Extinguishing Media: Use extinguishing media appropriate to the surrounding fire conditions. Water spray, dry chemical, carbon dioxide (CO₂), or foam may be used.

Specific Hazards: The product itself is not flammable (mainly water). Packaging materials (PE and nylon) are combustible and may produce carbon oxides, nitrogen oxides (NO_x), and ammonia when burned. Heating may cause urea to decompose, releasing small amounts of irritating gases (ammonia, isocyanic acid).

Protective Equipment: Normal firefighting gear. No special precautions required.

Hazchem Code: Not applicable.

Section 6 – Accidental Release Measures

Personal Precautions: Avoid contact with leaking or spilled material. Wear gloves and protective eyewear if packaging is damaged and contents are exposed. Ensure adequate ventilation if large quantities are released.

Environmental Precautions: No special environmental precautions are required for intact packaging.

Containment and Cleanup: In case of damage, contain any leaked liquid with inert absorbent material (sand, earth, pads). Collect damaged bags and contaminated absorbent in appropriate containers for disposal according to local regulations. Rinse the affected area with water if necessary.

Section 7 – Handling and Storage

Handling: Avoid contact with eyes. Follow good hygiene practices; wash hands after use.

Storage: Store below 30 °C in a cool, dry place. Keep pouch sealed until use. Protect from moisture and direct sunlight.

Section 8 – Exposure Controls / Personal Protection

Exposure Standards: No exposure limits established.

Engineering Controls: None normally required.

Personal Protective Equipment (PPE):

- Eyes: Not normally required. Use safety glasses if risk of splashing exists.
- Skin: No special protection required; wear gloves when handling bulk material.
- Respiratory: Not required under normal conditions.

Section 9 – Physical and Chemical Properties

Property	Value
Physical state	Soft clay enclosed in sealed pouch
Colour	Grey clay
Odour	No odour.
Melting/Freezing point	No data available.
Boiling point/initial boiling point and boiling	Not applicable.

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range	
Flammability	Not flammable
Lower and upper explosion limit/flammability limit	Not flammable
Flash point	Not flammable
Auto-ignition temperature	Not applicable
Decomposition temperature	Not applicable
pH	8-10 (clay mixture)
Kinematic Viscosity	N/A
Solubility	Clay dispersible in water
Partition Coefficient: n-octanol/water (log value)	N/A
Vapour pressure	2.37 kPa at 20 °C (water vapour pressure)
Density and/or relative density	>1
Relative vapour density	N/A
Particle characteristics	N/A

Section 10 – Stability and Reactivity

Reactivity: Stable and non-reactive under normal conditions.

Chemical Stability: Stable under recommended storage conditions.

Conditions to Avoid: Excessive heat and direct sunlight.

Incompatible Materials: None known.

Hazardous Decomposition Products: Carbon oxides and minor irritant gases if packaging burns.

Hazardous Polymerisation: Will not occur.

Section 11 – Toxicological Information

Acute Toxicity: Not toxic.

Skin Corrosion/Irritation: Not expected to cause irritation unless pack is damaged.

Eye Damage/Irritation: May cause mild transient irritation if contents contact eyes.

Sensitisation: None known.

Carcinogenicity, Mutagenicity, Reproductive Toxicity: None known.

Target Organs: None identified.

Potential Routes of Exposure: Skin or eye contact, accidental ingestion.

Section 12 – Ecological Information

Clay and water components are biodegradable or naturally occurring.

Not expected to bioaccumulate.

No known aquatic toxicity.

Section 13 – Disposal Considerations

Dispose of small quantities and empty packaging with general waste.

For larger quantities, use a licensed waste disposal contractor.

Comply with local waste regulations.

Section 14 – Transport Information

UN Number: Not applicable

Proper Shipping Name: Not applicable

ADG Class: Not Dangerous Goods

Packing Group: Not applicable

Environmental Hazards: Not applicable

Transport in Bulk: Not applicable

Section 15 – Regulatory Information

TGA: Product is registered in the ARTG with ARTG No. 236927. Class I.

AICIS Status: All ingredients are listed on or exempt from the Australian Inventory of Industrial Chemicals (AIIC).

SUSMP: Not scheduled.

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WHS Classification: Not hazardous

Section 16 – Any Other Relevant Information

Date of Preparation: November 2025

Next Review Date: November 2030

Document Control No: AU-SDS-055 V1

References:

Safe Work Australia Code of Practice: Preparation of Safety Data Sheets for Hazardous Chemicals (July 2020)

Disclaimer:

This SDS summarises our best knowledge of the product's health and safety information and safe handling recommendations. It should be reviewed in the context of workplace use and conditions.