AeroHAZARD™ Fluid Solidifier
Safety Data Sheet

Section 1 - Identification

Product Identifier: AeroHAZARD™ Fluid Solidifier
Other Names: Super Absorbent Polymer (SAP), Fluid Absorbent Powder
Recommended Use: A super absorbent polymer powder designed to rapidly absorb and solidify aqueous fluids, including body fluids and other water-based liquids, to facilitate safer handling, transport, and disposal.
Restrictions on Use: Not intended for direct food contact. Avoid inhalation of dust and direct eye contact.

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 according to the Globally Harmonized System (GHS7).
Signal Word: None.
Hazard Statement(s): Not hazardous.
Physical Hazards: At elevated temperatures, thermal decomposition may generate carbon monoxide and carbon dioxide. Dust may form explosive mixtures with air in the presence of an ignition source.
Precautionary Statements:

Prevention	Response	Storage	Disposal
Read and understand safety instructions before handling. Avoid generating dust. Use appropriate ventilation when handling bulk quantities.	Seek medical advice if unwell. Product becomes extremely slippery when wet.	Protect from moisture and direct sunlight. Store in tightly sealed containers.	Dispose of contents/container in accordance with local regulations.

ADG Classification: Not classified as Dangerous Goods.
SUSMP Classification: Not scheduled.

Emergency Overview:
White, odourless granular powder consisting primarily of sodium polyacrylate super absorbent polymer. Absorbs large quantities of water and aqueous fluids, forming a gel. Product becomes extremely slippery when wet.

Section 3 – Composition and Information on Ingredients

Ingredient	CAS Number	Proportion	Classification
Sodium Polyacrylate (Acrylic Acid Polymer Sodium Salt)	9003-04-7	≥89.5%	Not classified
Silicon Dioxide	7631-86-9	≤0.5%	Not classified
Water	Not assigned	≤10%	Not classified

No hazardous ingredients present above relevant classification thresholds.

Section 4 – First Aid Measures

General Advice:
If symptoms persist or significant exposure occurs, seek medical attention and provide this SDS.
Inhalation: Move affected person to fresh air. Rinse mouth and throat with water. Seek medical attention if symptoms develop.
Skin Contact: Immediately wash skin thoroughly with plenty of water.
Eye Contact: Immediately flush eyes with water for at least 15 minutes. Remove contact lenses if present and easy to do. Seek medical attention.
Ingestion: Remove as much product as possible from the mouth. Rinse thoroughly with water. Do not give large quantities of water if significant swelling of product may occur. Seek immediate medical attention.
Symptoms and Effects: May cause eye, nasal, or respiratory irritation due to dust exposure. Ingestion may cause choking risk due to swelling properties.
Advice to Doctor: Treat symptomatically. Product absorbs water and may expand significantly following ingestion.

Section 5 - Firefighting Measures

Suitable Extinguishing Media: Water spray, Dry chemical, Carbon dioxide, Foam.
Unsuitable Extinguishing Media: None known.
Specific Hazards: Dust may form explosive mixtures with air. Thermal decomposition above approximately 200°C may generate toxic decomposition products including carbon monoxide and organic vapours.
Protective Equipment: Wear full protective clothing and self-contained breathing apparatus.
Hazchem Code: Not allocated.

Section 6 – Accidental Release Measures

Personal Precautions: Avoid contact with skin and eyes. Avoid inhalation of dust.
Environmental Precautions: Prevent product from entering drains, waterways, or the environment.
Containment and Cleanup: Collect material mechanically. Do not wash into drains. Avoid adding water as the product will swell and create slippery surfaces. Absorb residual material with inert absorbent material if wet. Dispose of collected material according to local regulations.

Section 7 – Handling and Storage

Handling: Use adequate local exhaust ventilation where dust may be generated. Wear appropriate PPE when handling bulk quantities. Keep away from ignition sources. Product becomes slippery when wet.

Storage: Store in a cool, dry location. Keep containers tightly closed. Protect from moisture and direct sunlight. Keep away from heat and ignition sources. Use moisture-resistant packaging.

Section 8 – Exposure Controls / Personal Protection

Exposure Standards: No Australian exposure standard established.
Engineering Controls: Provide adequate ventilation and dust extraction systems where required.
Personal Protective Equipment (PPE):

- Eyes: Safety glasses or goggles.
- Skin: Protective gloves.
- Respiratory: Dust mask or respirator where airborne dust may occur.

Section 9 – Physical and Chemical Properties

Property	Value
Physical state	Solid granular powder (super absorbent polymer)
Colour	White
Odour	Odourless
Melting/Freezing point	Not available; thermal decomposition occurs before melting
Boiling point/initial boiling point and boiling range	Not applicable (solid material)
Flammability	Combustible dust may form explosive mixtures with air in the presence of an ignition source
Lower and upper explosion limit/flammability limit	Dust lower explosion limit: 1200 g/m³; upper limit not available
Flash point	Not applicable
Auto-ignition temperature	Above 500°C
Decomposition temperature	Thermal decomposition begins above approximately 200°C
pH	6-8
Kinematic Viscosity	Not applicable (solid article)
Solubility	Swells in water; not soluble in the conventional sense
Partition Coefficient: n-octanol/water (log value)	No data available
Vapour pressure	Negligible under normal ambient temperatures
Density and/or relative density	Bulk density: 0.60 – 0.90 g/mL
Relative vapour density	Not applicable
Particle characteristics	White granular powder

Section 10 – Stability and Reactivity

Reactivity: Stable under normal conditions.
Chemical Stability: Stable at room temperature.
Conditions to Avoid: Heat, Ignition sources, Moisture, Direct sunlight.
Incompatible Materials: None known.
Hazardous Decomposition Products: Thermal decomposition may produce carbon monoxide, carbon dioxide, organic vapours
Hazardous Polymerisation: Will not occur.

Section 11 – Toxicological Information

Acute Toxicity: Oral LD50 (rat): >2,000 mg/kg
Skin Corrosion/Irritation: Not irritating.
Eye Damage/Irritation: Not irritating under normal conditions; dust may cause temporary mechanical irritation.
Sensitisation: Not sensitising.
Mutagenicity: AMES test negative.
Carcinogenicity: No data indicating carcinogenic effects.
Reproductive Toxicity: No data available.
Target Organ Effects: No known target organ toxicity.
Potential routes of exposure: Inhalation of dust, eye contact, skin contact, ingestion
Symptoms of exposure: Dust may cause eye, nasal, or bronchial irritation.

Section 12 – Ecological Information

Ecotoxicity: EC50 (48 h, Daphnia magna): > 100 mg/L
Persistence and Degradability: Not readily biodegradable.
Bioaccumulative Potential: Not expected to bioaccumulate significantly
Environmental Effects: Prevent release into waterways. Product may absorb water and affect drainage systems.

Section 13 – Disposal Considerations

Dispose of unused or waste product in accordance with local, regional, and national regulations. Packaging may be disposed of after complete emptying and in accordance with local requirements.

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Section 14 – Transport Information

UN Number: Not applicable
Proper Shipping Name: Not applicable
ADG Class: Not Regulated
Packing Group: Not applicable
Environmental Hazards: Not applicable
Special Precautions: Protect from moisture during transport. Avoid damage to packaging. Do not transport with strong odorous materials.

Section 15 – Regulatory Information

AICIS Status: Ingredients are listed on or exempt from the Australian Inventory of Industrial Chemicals (AIIC).
SUSMP: Not scheduled.
WHS Classification: Not hazardous

Section 16 – Any Other Relevant Information

Date of Preparation:	June 2026
Next Review Date:	June 2031
Document Control No:	AU-SDS-058 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.