SAFETY DATA SHEET

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: **Clay Disperser**

Recommended Use: Clay softener for bores

Supplier: Big Bubble
ABN: 51 290 656 636

Street Address: 18 Elliott Street
Midvale
Western Australia

Telephone Number: +61 08 9274 1992

Poisons Information Centre: **131 126 Australia**

2. HAZARDS IDENTIFICATION

Road and Rail; Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail; NON-DANGEROUS GOODS.

Globally Harmonised System

Hazard Classification
Not hazardous according to the criteria of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS)

Signal Word None

Poisons Schedule: Not scheduled

3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS Number	Proportion
Ingredients determined not to be hazardous		100 %

4. FIRST AID MEASURES

For advice, contact a Poisons Information Centre (e.g. phone Australia 131 126; New Zealand 0800 764 766) or a doctor at once.

Ingestion: IF SWALLOWED: Rinse mouth then drink 1 or 2 glasses of water. Do not induce vomiting unless directed to do so by medical personnel. Loosen tight clothing such as collar, tie, belt, or waistband. Get medical advice/attention. Never give anything by mouth to an unconscious person.

Eye Contact: IF IN EYES: Immediately flush eyes with running water for several minutes, holding eyelids open and occasionally lifting the upper and

	lower lids. Remove contact lenses if present and safe to do. Continue rinsing for at least 15 minutes. If eye irritation persists, get medical advice/attention.
Skin Contact:	IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs, get medical advice/attention.
Inhalation:	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If respiratory symptoms persist, get medical advice/attention. Give artificial respiration if victim is not breathing. Administer oxygen if breathing is difficult.
Medical attention and special treatment:	Treat symptomatically and supportively.

5. FIRE FIGHTING MEASURES

General	If safe to do so, move undamaged containers from fire area. Cool containers with water spray until well after fire is out.
Flammability Conditions	Non-combustible.
Suitable Extinguishing Media:	If material is involved in a fire, use dry chemical, Carbon dioxide (CO2), foam or water spray for extinction. Use extinguishing media suitable to surrounding environment.
Fire and Explosion Hazards	When heated to decomposition, it emits highly toxic fumes.
Hazardous combustion products:	Thermal decomposition can lead to release of irritating and toxic gases and vapours, including oxides of phosphorus, sodium oxides.
Precautions for fire fighters and special protective equipment:	Contain runoff from fire control or dilution water - Runoff may cause pollution. Wear positive pressure self-contained breathing apparatus (SCBA). Structural firefighters' protective clothing will only provide limited protection.

Auto Ignition temperature:	No Data Available
Decomposition Temperature:	No Data Available
Flammability:	No Data Available
Flash Point:	No Data Available

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Ensure adequate ventilation, especially in confined areas. ELIMINATE all ignition sources. Do not touch or walk through spilled material. Avoid breathing vapours and contact with eyes, skin and clothing.
Protective equipment:	Use appropriate personal protective equipment (see SECTION 8).
Emergency procedures:	Spill or leak area should be isolated immediately. Evacuate personnel to safe areas. Keep unauthorised personnel away.
Environmental Precautions:	Prevent entry into sewers and waterways. Local authorities should be advised if significant spillages cannot be contained.
Methods and materials for Containment and clean up:	Stop leak if you can do it without risk. Prevent entry into drains and waterways, sewers, basements, or confined areas. Absorb with earth, sand, or other non-combustible material and transfer to suitable container for disposal (see SECTION 13). Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

7. HANDLING AND STORAGE

This material must be stored, maintained and used in accordance with the relevant regulations.

Conditions for safe storage:	Keep in the original container. Store in a cool, dry and well-ventilated place, out of direct sunlight. Keep container tightly closed when not in use. Keep away from heat and sources of ignition - No smoking. Keep away from food/feedstuffs and incompatible materials (see SECTION 10).
Precautions for safe handling:	Safety showers and eyewash facilities should be provided within the immediate work area for emergency use. Ensure adequate ventilation, especially in confined areas. Handle in accordance with good industrial hygiene and safety practice. Avoid breathing vapours and contact with eyes, skin and clothing. Do not ingest. Wear suitable protective clothing (see SECTION 8). Take precautionary measures against static discharges.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure control measures:	There are no occupational exposure limit values for this substance.
Biological Monitoring	For Sodium Hexametaphosphate: Derived no-effect levels (DNELs) for Workers: - Long-term, systemic effects (Inhalation): 5.289 mg/m3 Predicted no-effect concentrations (PNECs):

- Freshwater: 0.1 mg/l
- Marine water: 0.01 mg/l
- Intermittent release: 1 mg/l
- Sewage treatment plant (STP): 100 mg/l

Engineering Controls

A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area.

Personal Protective Equipment

Eye and Face

Eye/face protection: Wear appropriate eye protection to avoid eye contact. Recommended: Wear safety glasses with side shields or chemical safety goggles.

Skin

Handle with gloves. Recommended: Impervious gloves. Wear appropriate personal protective clothing to avoid skin contact. Recommended: Wear lab coat; Overalls, Boots.

Respiratory

In case of inadequate ventilation, wear respiratory protection. Recommended: Particulate respirator (refer to AS/NZS 1715 & 1716).

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Liquid
Colour:	Colourless
Odour:	Odourless
pH:	4.3 – 4.8
Solubility:	Miscible with water
Auto Ignition temperature:	No Data Available
Decomposition Temperature:	No Data Available
Evaporation Rate:	No Data Available
Flammability:	No Data Available
Flash Point:	No Data Available
Boiling Point:	No Data Available
Melting/Freezing Point:	No Data Available

Freezing Point	No Data Available
Odour Threshold:	No Data Available
Partition coefficient: n-octanol/water	No Data Available
Relative Density:	No Data Available
Upper Flammibility Limit	No Data Available
Lower Flammability Limit:	No Data Available
Explosive limits:	No Data Available
Vapour density:	No Data Available
Vapour pressure;	No Data Available
Viscosity:	No Data Available
Biopersistence:	No Data Available
Crystallinity:	No Data Available
Dustiness:	No Data Available
Particle size:	No Data Available
Redox potential:	No Data Available
Release of invisible flammable vapours and gases	No Data Available
Saturated Vapour Concentration	No Data Available

10. STABILITY AND REACTIVITY

Chemical stability:	Stable under normal conditions.
Conditions to avoid:	Avoid excess heat.
Incompatible materials:	Incompatible/reactive with strong oxidising agents, strong acids, strong bases.
Hazardous decomposition products:	Thermal decomposition can lead to release of irritating and toxic gases and vapours, including oxides of phosphorus, sodium oxides.
Hazardous reactions or Polymerisation:	Polymerisation will not occur.

11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Ingestion	May be harmful if swallowed. May cause gastrointestinal tract irritation with nausea, vomiting, and diarrhoea.
Eye contact	Contact with the eyes can lead to mechanical irritation. Not irritating (Rabbit).
Skin contact	May cause skin irritation. Not irritating (Rabbit).
Inhalation	May cause respiratory tract irritation.
Acute Toxicity	For Sodium Hexametaphosphate: Acute toxicity (Oral): - LD50, Rat: >2,000 mg/kg [Supplier's SDS] Acute toxicity (Inhalation): - LC50, Rat: >3.69 mg/L (4h) [Supplier's SDS]
Carcinogenity	Not expected to be carcinogenic.
Mutagenicity	Not expected to be mutagenic.
Reproductive	Not expected to impair fertility.

12. ECOLOGICAL INFORMATION

Ecotoxicity	Aquatic toxicity for Sodium Hexametaphosphate: - LC50, Fish (Oncorhynchus mykiss): >100 mg/L (96 h) [OECD Guideline 203]. - EC50, Crustacea (Daphnia magna): >485 mg/L (48 h) [EPA OTS 797.1300]. - EC50, Algae (Desmodesmus subspicatus): >100 mg/L (72 h) [OECD Guideline 201].
Persistence and degradability	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise. The product itself and its products of degradation are not toxic.
Bioaccumulative potential	No bioaccumulation potential.
Mobility	No information available.

13. DISPOSAL CONSIDERATIONS

Disposal methods: Dispose of in accordance with all local, state and federal regulations.
All empty packaging should be disposed of in accordance with Local, State, and Federal Regulations or recycled/reconditioned at an approved facility.
Or refilled at Big Bubble in Midvale.

14. TRANSPORT INFORMATION

Road and Rail Transport
Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail; NON-DANGEROUS GOODS.

Marine Transport
Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea; NON-DANGEROUS GOODS.

Air Transport
Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air; NON-DANGEROUS GOODS.

15. REGULATORY INFORMATION

Poisons Schedule: Not scheduled.

For advice, contact a Poisons Information Centre (e.g. phone Australia 131 126; New Zealand 0800 764 766) or a doctor at once.

If swallowed, do NOT induce vomiting.

If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre (e.g. phone Australia 131 126; New Zealand 0800 764 766) or a doctor, or for at least 15 minutes.

16. OTHER INFORMATION

Revision date: 16/01/2026
Reason for issue: Update SDS

This material safety data sheet has been prepared by Midland Chemicals

This MSDS summarises to our best knowledge at the date of issue, the chemical health and safety hazards of the material and general guidance on how to safely handle the material in the workplace. No liability is accepted whether direct or indirect from its application since the conditions of final use are outside Midland Chemicals control. The end user is obliged to conform to relevant government regulations and/or patent laws applicable in their respective States of Countries.