

SAFETY DATA SHEET

1. Product and Company Identification

Company Name:	Sierra Aust Pty Ltd 17 Delta Street, Geebung Queensland 4034 sierra@optusnet.com.au	Ph (07) 3216 5099 Fx (07) 3216 5199
Emergency Contact:	Sierra (07) 3216 5099	Poisons Information Centre 13 11 26

Product Name: Sani-Block
Product Code: 9294
Intended Use: H.D. Portable Toilet Treatment
Chemical Nature: Liquid - Mixture

2. Hazards Identification

Hazardous Chemical according to classification by Safe Work Australia
Non-Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail

GHS Classification: Skin Corrosion/Irritation – Category 1B
Serious Eye Damage Category 1
Respiratory Sensitiser – Category 1
Skin Sensitiser – Category 1
Acute Aquatic Hazard – Category 3



GHS Signal Word: DANGER

Hazard Statement(s):
H314 Causes severe skin burns and eye damage.
H318 Causes serious eye damage
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled
H317 May cause an allergic skin reaction
H402 Harmful to aquatic life

Precautionary Statement(s):

Prevention:

P260 Do not breathe dust / fume / gas / mist / vapours / spray.
P280 Wear protective gloves / protective clothing / eye protection / face protection
P284 (In case of inadequate ventilation) wear respiratory protection
P273 Avoid release to the environment

Response:

P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P363 Wash contaminated clothing before re-use.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER or doctor/physician.

Storage:

P405 Store locked up.

Disposal:

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Poisons Schedule (SUSMP): S5

3. Composition / Information on Ingredients

Ingredients Names and Proportions

Chemical Entity	Cas Number	Proportion(%)
Benzyl C12-C14 alkyldimethylammonium Chloride	85409-22-9	<30
Glutaraldehyde	111-30-8	<30

4. First aid Measures

Description of first aid measures

Eye Contact	<p>If this product comes in contact with the eyes: Immediately hold eyelids apart and flush the eye continuously with running water. Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes. Transport to hospital or doctor without delay. Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.</p>
Skin Contact	<p>If skin contact occurs: Immediately remove all contaminated clothing, including footwear. Flush skin and hair with running water (and soap if available). Seek medical attention in event of irritation.</p>
Inhalation	<p>If fumes or combustion products are inhaled remove from contaminated area. Lay patient down. Keep warm and rested. Prostheses such as false teeth, which may block airway, should be removed, where possible, prior to initiating first aid procedures. Apply artificial respiration if not breathing, preferably with a demand valve resuscitator, bag-valve mask device, or pocket mask as trained. Perform CPR if necessary. Transport to hospital, or doctor, without delay.</p>
Ingestion	<p>If swallowed do NOT induce vomiting. If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration. Observe the patient carefully. Never give liquid to a person showing signs of being sleepy or with reduced awareness; i.e. becoming unconscious. Give water to rinse out mouth, then provide liquid slowly and as much as casualty can comfortably drink. Seek medical advice. If poisoning occurs, contact a doctor or Poisons Information Centre.</p>

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

Indication of immediate medical attention and special treatment needed:

Treat symptomatically.

5. Fire Fighting Measures

Suitable Extinguishing Media:

Not combustible, however, if material is involved in a fire use: Fine water spray, normal foam, dry agent (carbon dioxide, dry chemical powder).

Specific hazards arising from the substance or mixture:

Non-combustible material.

Special protective equipment and precautions for fire-fighters:

Decomposes on heating emitting toxic fumes, including those of carbon monoxide. Keep containers cool with water spray.

6. Accidental Release Measures

Minor Spills:

Slippery when spilt.

Clean up all spills immediately. Avoid breathing vapours and contact with skin and eyes. Control personal contact with the substance by using protective equipment.

Major Spills:

Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contact and breathing in vapours. Work up wind or increase ventilation. Contain - prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Collect and seal in properly labelled containers or drums for disposal. Wash area down with excess water.

7. Handling and Storage

This material is a Scheduled Poison S5 and must be stored, maintained and used in accordance with the relevant regulations.

Precautions for safe handling:

Avoid skin and eye contact and breathing in vapour, mists and aerosols. Keep out of reach of children. DO NOT allow clothing wet with the material to stay in contact with the skin. Wear protective clothing when risk of exposure occurs. Use in a well ventilated area.

Conditions for safe storage, including any incompatibilities:

Store in original containers. Store away from foodstuffs. Keep containers closed when not in use - check regularly for leaks.

Glutaraldehyde:

is a strong reducing agent

reacts with water forming an aqueous polymer solution

reacts violently with strong oxidisers, strong acids, bromine, ketones

is incompatible with caustics, ammonia, amines, acetophenone, acetyl benzene, xylienes

the activated form (an alkaline solutions) react readily with alcohol, ketones, amines, hydrazines and proteins

8. Exposure Controls and Personal Protection

Control Parameters:

Glutaraldehyde:

TWA – not available

STEL – not available

Peak – 0.41 mg/m³/0.1ppm

Appropriate engineering controls:

Ensure ventilation is adequate and that air concentrations of components are controlled. If inhalation risk exists: Use with local exhaust ventilation or while wearing suitable mist respirator. Keep containers closed when not in use.

Individual protection measures, such as Personal Protective Equipment (PPE):

The selection of PPE is dependent on a detailed risk assessment. The risk assessment should consider the work situation, the physical form of the chemical, the handling methods, and environmental factors.

OVERALLS, CHEMICAL GOGGLES, FACE SHIELD, GLOVES (Long), APRON, RUBBER BOOTS.

9. Physical and Chemical Properties

Physical state:	Liquid
Colour:	Blue
Odour:	Fruity
Solubility:	Miscible in water.
Specific Gravity:	1.01 @ 15.5°C.
Relative Vapour Density (air=1):	Not available
Flash Point (°C):	Not applicable
Flammability Limits (%):	Not applicable
Autoignition Temperature (°C):	Not available
pH:	6.5

10. Stability and Reactivity

Reactivity:	See section 7.
Chemical stability:	Stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.
Possibility of hazardous reactions:	See section 7.
Conditions to avoid:	See section 7.
Incompatible materials:	See section 7.
Hazardous decomposition products:	See section 5.

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:	Accidental ingestion of the material may be damaging to the health of the individual.
Eye contact:	If applied to the eyes, this material causes severe eye damage.
Skin contact:	Contact with skin can cause inflammation of the skin in some persons. The material may accentuate any pre-existing dermatitis conditions. Skin contact is not thought to have harmful health effects; the material may still produce health damage following entry through wounds, lesions or abrasions. Open cuts, abraded or irritated skin should not be exposed to this material. Entry into the bloodstream, through cuts, abrasions or lesions, may produce systematic injury with harmful effects.
Inhalation:	Breathing in mists or aerosols may produce respiratory irritation, and may be damaging to the health of the individual.
Chronic effects:	Long-term exposure to respiratory irritants may result in disease of the airways involving difficult breathing and related systemic problems. Inhaling this product is more likely to cause a sensitisation reaction in some persons compared to the general population. Skin contact with the material is more likely to cause a sensitisation reaction in some persons compared to the general population. Exposure to Aliphatic aldehydes can cause irritation of the skin.

Benzyl C12-C14 alkyldimethylammonium Chloride: Oral (rat) LD50: 447 mg/kgd

12. Ecological Information

Toxicity

Harmful to aquatic organisms.
DO NOT discharge into msewer or waterways.

Persistence and degradability

	Persistence: water/Soil	Persistence: Air
Glutaraldehyde	LOW	LOW

Bioaccumulative Potential

Glutaraldehyde Low (LogKOW=-0.1821)

Mobility in soil

Glutaraldehyde HIGH (KOC=1.094)

13 Disposal Considerations

Disposal methods:

Refer to Waste Management Authority. Dispose of contents/container in accordance with local/regional/national/international regulations.

14. Transport Information

Not Regulated for Transport of Dangerous Goods by ADG / IMDG / ICAO-IATA

15. Regulatory Information

benzyl C12-14 alkyldimethylammonium chloride(85409-22-9) is found on the following regulatory lists	"Australia Inventory of Chemical Substances (AICS)"
glutaraldehyde(111-30-8) is found on the following regulatory lists	"Australia Exposure Standards", "Australia Inventory of Chemical Substances (AICS)", "Australia Hazardous Substances Information System - Consolidated Lists"

16. Other Information

This SDS contains only safety related information. For other information see product literature.

Every endeavor has been made to ensure that the information contained in this publication is reliable and offered in good faith. It is meant to describe the safety requirements of our products and should not be construed as guaranteeing specific properties. Customers are encouraged to conduct their own tests as end user suitability of the product for particular uses is beyond our control. The information is not intended as an inducement to bargain and no warranty expressed or implied is made as to its accuracy, reliability or completeness. Sierra (Aust) Pty Ltd accepts no liability for loss, injury or damage arising from reliance upon the information contained in this data sheet except in conjunction with the proper use of the product to which it refers. Due care should be taken that the use and disposal of this product is in compliance with appropriate Federal, State and Local Government regulations.