



Material Safety Data Sheet

Section 1: Identification of the Material and Supplier

Supplier: Bracton Industries (NSW) Pty. Ltd., ACN: 003 060 160
Address: 50 Chard Road, BROOKVALE NSW 2100, Australia
Tel: +61 2 9938 1800 (business hours)
Fax: +61 2 9905 0979
Product Name: Glass Wash Detergent
Other Names: Aqueous solution of mixed surfactants.
Proper shipping name (ADG Code): None assigned.
Recommended use: For glass washing, in machines and by hand. Use as directed on the product label.
Emergency Phone Numbers: Transport/Fire Emergency: 000 Medical Emergency: 131126

Section 2: Hazards Identification

Not classified as hazardous according to criteria of Worksafe Australia. Non-dangerous goods.

Risk Phrases: None assigned. **Safety Phrases:** None assigned.

Section 3: Composition/Information on Ingredients

Ingredients:	Ethanolamine [141-43-5]	< 10 %
	Mixed surfactants	< 10 %
	Other ingredients deemed not to be hazardous	< 10 %
	Water [7732-18-5]	to 100 %

Section 4: First Aid Measures

For advice, contact a Poisons Information Centre (Phone 131126) or a doctor.

Swallowed: If swallowed, do NOT induce vomiting. **Skin:** If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. **Eyes:** If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poisons Information Center or a doctor, or for at least 15 minutes.

Inhaled: Remove from exposure.

First Aid facilities: Recommended: Eye wash. Hand wash basin.

Advice to Doctor: Product is an aqueous solution of mixed surfactants. May cause mild irritation in the eyes. If swallowed, vomiting should not have been induced because of risk of aspiration of froth into the lungs. Contact Poisons Information Centre.

Section 5: Fire Fighting Measures

HAZCHEM Code: None assigned. **Evacuate:** No. **Extinguishant:** Water.

Risk of violent reaction or explosion: No.

Protective Equipment: Breathing apparatus and protective gloves for fire only.

Section 6: Accidental Release Measures

Emergency Procedures: Contain. Prevent spillages from entering natural waters.

For large spills: Contain spillage using sand or earth. Transfer liquid and solids to suitable container. Treat residues as for small spillage.

For small spills: If local regulations permit, mop up with plenty of water and run to waste, diluting greatly with running water. Otherwise, absorb on inert absorbent, transfer to suitable container and arrange removal by disposals company. Wash site of spillage thoroughly with water and detergent.

Section 7: Handling and Storage

Precautions for safe handling: Avoid contact with skin and eyes.

Conditions for safe storage: Store in a cool, well ventilated place, out of reach of children. Large quantities should be stored in a bunded area. Store in original container. Keep container tightly closed and out of direct sunlight. Keep away from oxidising agents. Protect from physical damage. Clean up all spills and splashes promptly; avoid secondary accidents. **Incompatibles:** Oxidising agents, acids.

Section 8: Exposure Controls/Personal Protection

National Exposure Standards: ES-TWA: Ethanolamine 3 ppm, 7.5 mg/m³ **ES-STEL:** Ethanolamine 6 ppm, 15 mg/m³
ES-PEAK: None assigned. **Biological Limit Values:** No data found.

Engineering Controls: Ensure adequate ventilation (same as outdoors) when using. If handling industrial quantities or if aerosol risk exists, consider local mechanical exhaust/extraction to keep airborne contamination as low as possible.

Personal Protective Equipment: Avoid contact with skin and eyes. Personal protection to be selected from those recommended below, as appropriate to mode of use, quantity handled and degree of hazard:

Normal Use: Eye/face protection & gloves.

Industrial Quantities: Face shield or safety glasses gloves, plastic apron, boots and impervious overalls.

Section 9: Physical and Chemical Properties

Appearance:	Blue liquid	VOC:	< 1 %
Odour:	Mild detergent smell.	Evaporation Rate:	No data.
pH:	10.9	Solubilities:	Miscible with water.
Vapour Pressure:	No data.	Specific Gravity:	1.0 - 1.1 g/mL @ 20 °C
Vapour Density:	No data.	Flash Point:	None.
Boiling Point:	> 100 °C	Flammable Limits:	None.
Melting Point:	< 0 °C	Dust Explosion:	Not applicable.
Volatiles:	84 %	Auto-ignition Temperature:	No data.

Other Information: Aqueous solution of mixed surfactants. May react with strong oxidising agents. May react with strong acids. Slippery when spilled.

Section 10: Stability and Reactivity

Chemical Stability:	Stable under normal conditions.	Conditions to Avoid:	Incompatible materials.
Incompatible Materials:	Oxidising agents, acids.	Hazardous Reactions:	None known.

Hazardous Decomposition Products: Oxides of nitrogen, oxides of phosphorus.

Section 11: Toxicological Information

Health Effects: No data available for the mixture. Information presented relates to individual ingredients.

Acute: Swallowed: Will cause gastric upset with nausea, vomiting and diarrhoea. An aspiration risk. **Skin:** Will have a degreasing effects on the skin which may lead to irritation on prolonged contact. **Eyes:** May be irritating to eyes.

Inhaled: An unlikely route owing to the low volatility of ingredients. Aspiration of froth into the lungs during swallowing or vomiting may lead to chemical pneumonitis (irritation of lung tissues) and pulmonary oedema (fluid build-up in the lungs). Onset of symptoms may be delayed.

Chronic: Prolonged or repeated skin contact may lead to dry skin, irritation and dermatitic effects.

LD50: Ethanolamine 1,720 mg/kg oral, rat. 1,000 iL/kg skin, rabbit.

Section 12: Ecological Information

Ecotoxicity: May be harmful to aquatic organisms. Persistence and degradability: Some of the surfactants used in this product are not considered to be readily biodegradable.

Mobility: Readily transported by water.

Bioaccumulative potential: No data.

Other adverse environmental effects: Contains surfactants; local concentrations may be harmful to aquatic organisms, including fish. Contains phosphates; may contribute to the development of algal blooms in natural waters.

Section 13: Disposal Considerations

The generator of any wastes from this product is responsible for its proper classification, transport and disposal. Consult appropriate local and State regulations.

Disposal methods and containers: Avoid disposal to natural waters or the environment.

Special precautions for landfill or incineration: pUnsuitable for incineration. May not be suitable for some landfill sites.

Section 14: Transport Information

UN Number:	None assigned.	Special precautions for user:	Contain spillages.
UN Proper shipping name:	None assigned.	HAZCHEM Code:	None assigned.
Class and subsidiary risk:	None assigned.	Material for export:	Not regulated.
Packaging group:	None.		

Section 15: Regulatory Information

Poisons (SUSDP):	Not a scheduled poison.	Dangerous Goods:	No.
Australian Inventory of Chemical Substances (AICS):	Listed.		

Section 16: Other information

Date of MSDS Update: April 2011