

Bracton Industries (NSW) Pty. Ltd.

ACN 003 060 160

P.O. Box 386, Brookvale NSW 2100,
Australia

Section 1: Identification of the Material and Supplier

Product Name: Glass Wash

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.

Supplier: Bracton Industries (NSW) Pty. Ltd.,
ACN: 003 060 160
50 Chard Road, BROOKVALE NSW 2100, Australia
Tel: +61 2 9938 1800 (business hours)
Fax: +61 2 9905 0979

Emergency Phone Numbers:

Transport/Fire Emergency: 000 (Emergency services)
Medical Emergency: 131126 (Poisons Information Centre)

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.

Aggravated medical conditions:

Pre-existing skin disorders.

Section 5: Fire Fighting Measures

- HAZCHEM Code:** None assigned.
- Evacuate:** No.
- Extinguishant:** Water.
- Risk of violent reaction or explosion:** No.
- Products of combustion:** Water vapour, oxides of carbon, oxides of nitrogen, oxides of phosphorus.
- 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 banded 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.

Notations: None assigned by NOHSC, but see:
Ethanolamine Skin
[Russia, Sweden, Switzerland]

[Skin] indicates that this material may be absorbed via unbroken skin, and any such contact may invalidate the TLV.

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, rubber or plastic.

Industrial Quantities:

Face shield or safety glasses
Gloves, rubber or plastic
Plastic apron, sleeves and boots
Impervious overalls.

Section 9: Physical and Chemical Properties

Appearance: Clear, colourless, mobile, frothing liquid.
Odour: Mild detergent smell.
pH: 10.9
Vapour Pressure: No data.
Vapour Density: No data.
Boiling Point: > 100 °C
Melting Point: < 0 °C
Volatiles: 84 %

Volatile Organic Compounds (VOC): < 1 %
Evaporation Rate: No data.
Solubilities: Miscible with water in all proportions.
Specific Gravity/Density: 1.0 - 1.1 g/mL @ 20 °C
Flash Point: None.
Flammable Limits: None.
Dust Explosion: Not applicable.
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 Decomposition Products: Oxides of nitrogen, oxides of phosphorus.
Hazardous Reactions: None known.

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 µL/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.

Environmental Fate: No data.

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:

Unsuitable for incineration.

May not be suitable for some landfill sites.

Section 14: Transport Information

UN Number: None assigned.

UN Proper shipping name: None assigned.

Class and subsidiary risk: None assigned.

Packaging group: None.

Special precautions for user: Contain spillages.

HAZCHEM Code: None assigned.

Material for export: Not regulated.

Section 15: Regulatory Information

Poisons (SUSDP): Not a scheduled poison.

Dangerous Goods: No.

Carcinogen:	Australia	IARC	NTP
	No.	No.	No.

Agricultural and Veterinary Chemicals Act: Not applicable.

Australian Inventory of Chemical Substances (AICS): Listed.

Other National/International Regulations: No data found.

Section 16: Other information

Date of MSDS update: September 2006

Abbreviations:

- NOHSC - National Occupational Health and Safety Commission.
- ACGIH - American Conference of Governmental Industrial Hygienists.
- MAK - Maximum workplace concentration - Germany,
(*maximale Arbeitsplatzkonzentration*)
- IARC - International Agency for Research on Cancer (France).
- NPT - National Toxicology Program (USA).
- HSE - Health and Safety Executive (United Kingdom).

Literature references:

Available Sources of Data:

- National Code of Practice for the Preparation of Material Safety Data Sheets 2nd Edition [2011(2003)] - NOHSC.*
- Australian Dangerous Goods Code.*
- Standard for the Uniform Scheduling of Drugs and Poisons - AHMAC.*
- Exposure Standards for Atmospheric Contaminants in the Occupational Environment [1003]- NOHSC.*
- List of Designated Hazardous Substances [10005] - NOHSC.*
- Merck Index - Merck Inc.*
- Sax's Dangerous Properties of Industrial Materials - Lewis.*
- Handbook of Toxic and Hazardous Chemicals and Carcinogens - Sittig.*
- Handbook of Reactive Chemical Hazards - Bretherick.*
- Hawley's Condensed Chemical Dictionary - Wiley Interscience.*
- AUSREG's Chemical Data Package for PCs - AUSREG Consultancy.*

→