

Touchdown

Inhalation: Move victim to fresh air. If symptoms develop seek medical advice.

Symptoms caused by exposure: None known.

Medical attention and special treatment: No special treatment required. Treat symptomatically.

Section 5. Fire Fighting Measures

Suitable extinguishing equipment:

Not flammable. Use extinguishing media suited to the surrounding materials that are burning.

Specific hazards arising from the chemical:

Carbon dioxide, carbon monoxide, and other toxic gases may be produced in the case of fire.

Special protective equipment and precautions for fire fighters:

Firefighters should wear appropriate personal protective equipment for surrounding fire. Remove from the vicinity containers not involved in the fire.

Section 6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:

Avoid contact with skin, eyes and clothing. Use personal protective equipment. Ensure adequate ventilation.

Environmental precautions:

Do not wash into drains. If contamination of sewers or waterways has occurred, advise local emergency services.

Methods and materials for containment and cleaning up:

For small spills contain using sand or soil - prevent run off into drains or waterways. For large spills notify Emergency Services.

Section 7. Handling and Storage

Precautions for safe handling:

Avoid contact with skin and eyes. When using, do not eat, drink or smoke. Wash thoroughly after handling. Wash contaminated clothing before reuse.

Conditions for safe storage, including incompatibilities

Store in a cool, well ventilated place out of direct sunlight. Keep containers closed at all times - check regularly for spills. Store away from strong acids and oxidisers

Section 8. Exposure Controls and Personal Protection

National Exposure Standards: An occupational exposure standard (OEL) has not been established for the product. The following components have been listed with an OEL as per Safe Work Australia - Workplace Exposure Standards for Airborne Contaminants.

Ingredient Name	CAS No	TWA (ppm)	TWA (mg/m ³)	STEL (ppm)	STEL (mg/m ³)
2-Butoxyethanol*	111-76-2	20	96.9	50	242

* Absorption through the skin may be a significant source of exposure.

Engineering Controls:

Natural ventilation should be adequate under normal use conditions. Avoid generating and inhaling mist and vapour. Keep containers closed when not in use.

Individual Protection Measures:

Eye and face protection Safety glasses or chemical resistant goggles should be worn to prevent eye contact.

Skin protection Wear nitrile, neoprene or natural rubber gloves to prevent skin contact.

Respiratory protection Not normally needed. If significant vapours or mists are generated, use an appropriate respirator in accordance with AS/NZS 1715 and AS/NZS 1716.

Thermal hazards Refer to Section 5.

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Section 9. Physical and Chemical Properties

Appearance:	Liquid	Colour:	Light Green
Odour:	Solvent odour	Boiling Point (°C):	100
Vapour Pressure:	Not established	Specific Gravity:	1.03
Flashpoint (°C):	Not established	Flammability:	Not established
Water Solubility:	Not established	pH:	9.5-10.5
Auto-ignition Temperature:	Not established	Viscosity:	Not established
Relative Density:	Not established	Evaporation Rate:	Not established
Vapour Pressure	Not established	Melting Point/Freezing Point(°C):	Not established
Partition Coefficient: n-octanol/water	Not established	Upper/Lower Flammability or Explosive Limits:	Not established

Section 10. Stability and Reactivity

Reactivity:	Not reactive.
Chemical Stability:	Stable under normal ambient storage conditions.
Possibility of Hazardous Reactions:	Hazardous polymerization will not occur.
Conditions to Avoid:	Avoid high temperatures (store below 30°C) and direct sunlight. Protect against physical damage.
Incompatible Materials:	Do not mix with other chemicals. Avoid strong acids and oxidisers.
Hazardous Decomposition Products:	None known.

Section 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 that may arise if the product is mishandled and over exposure occurs are:

Information on Route of Exposure
Acute Toxicity:

Ingestion: Swallowing in small amounts is unlikely to cause any adverse effects. Larger doses may cause gastro-intestinal irritation, nausea and vomiting.

Eye Contact: No effects known.

Skin Contact: No effects known.

Inhalation: No effects known.

Skin Corrosion/Irritation: Not classified

Serious Eye Damage/Irritation: Irritating to eyes

Respiratory or Skin Sensitisation: Not classified

Germ Cell Mutagenicity: Not classified

Carcinogenicity: Not classified

Reproductive Toxicity: Not classified

Specific Target Organ Toxicity (STOT) - Single Exposure: Not classified

Specific Target Organ Toxicity (STOT) - Repeated Exposure: Not classified

Aspiration Hazard: Not classified

Immediate, Delayed and Chronic Health Effects From Exposure: May experience headache, nausea and mucous membrane irritation when inhaled in high concentrations.

Other Information: None known

Section 12. Ecological Information

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Ecotoxicity:

Test Substance	Species	LC ₅₀ (96hrs)	Source
Butoxyethanol	Rainbow trout	1,474mg/L	ECHA

Persistence and Degradability: Expected to be readily biodegradable.

Bioaccumulative Potential: Not expected to bioconcentrate.

Mobility in Soil: Negligible sorption to soil/sediment, rapid migration to ground water (Estimated Log K_{oc} value (EpiSuite 4.1 KOCWIN): < 1.5).

Other Adverse Effects: None known.

Section 13. Disposal Considerations

Disposal Method: Refer to State/Territory Land Waste Management Authority. Dispose of material through a licensed waste third party, in accordance with local regulations.

Section 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.

UN Number	Not applicable
Proper Shipping Name	Not applicable
Technical Name	Not applicable
Transport Hazard Class	Not applicable
Packing Group	Not applicable
Environmental Hazards for Transport purposes	Not applicable
Special Precautions for User	Not applicable
Additional Information	Not applicable
Hazchem Code or Emergency Action Code	Not applicable

Section 15. Regulatory Information

Poisons Schedule (SUSMP): Schedule 6 - POISON

NICNAS: All ingredients are listed on the Australia Inventory of Chemical Substances (AICS).

Section 16. Other Information

This information is provided to the best of our knowledge and belief, accurate as of the last revision date. It is provided in good faith and relates to the specific materials designated. True Blue Chemicals assumes no liability or responsibility for loss or damage resulting from improper use or handling of our products from incompatible product combinations or from failure to follow usage directions. This document remains the property of True Blue Chemicals Pty Ltd. Alterations are not permitted without prior written authorisation from True Blue Chemicals Pty Ltd.

Glossary:

Peak limitation means a maximum or peak airborne concentration of a substance determined over the shortest analytically practicable period of time which does not exceed 15 minutes.

Log K_{oc} Adsorption Classifications

- > 4.5 Very strong sorption to soil / sediment, negligible migration to ground water
- 3.5 - 4.4 Strong sorption to soil / sediment, negligible to slow migration to ground water
- 2.5 - 3.4 Moderate sorption to soil / sediment, slow migration to ground water
- 1.5 - 2.4 Low sorption to soil / sediment, moderate migration to ground water
- < 1.5 Negligible sorption to soil / sediment, rapid migration to ground water

References

1. Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice - Safe Work Australia
2. Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG)

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3. Workplace Exposure Standards for Airborne Contaminants - Safe Work Australia
4. Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP)
5. Hazardous Substances Information System (HSIS) - Safe Work Australia
6. Globally Harmonised System of Classification and Labelling of Chemicals (GHS)
7. European Chemicals Agency (<http://echa.europa.eu/>)
8. Ansell Chemical Resistance Guide - Permeation & Degradation data

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