

TRIFECTA

Section 1. Identification

Product identifier: Trifecta **Product Code:** TRIFEC

Other means of identification: N/A

Recommended use and restrictions on use: Hard surface anti-bacterial spray. Use in accordance with the directions on product label.

Supplier: True Blue Chemicals

Street Address: 2/1 Endeavour Road **Postal Address:** PO Box 334
Caringbah NSW 2229 Caringbah NSW 1495

Phone No: 1800 635 746 **Fax No:** 02 9540 1983

Internet: www.truebluechemicals.com.au

Emergency Phone No - 13 11 26 - Poisons Information Centre

Section 2. Hazards Identification

Not classified as hazardous according to the criteria of Safe Work Australia (SWA).

Not classified as dangerous goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail, Edition 7.3.

Section 3. Composition and Information on Ingredients

Chemical Name	CAS Number	Percentage (%)
Ethyl alcohol	64-17-5	1-10
2-Butoxyethanol	111-76-2	1-10
Quaternary ammonium compound		<1
Ingredients determined not to be hazardous		to 100

Section 4. First Aid Measures

Swallowed: Rinse mouth with plenty of water. Give water to drink. If symptoms develop seek medical advice.

Eye Contact: Rinse with water. If irritation develops seek medical advice.

Skin Contact: Rinse with water. If skin irritation develops seek medical advice.

Inhalation: 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 suitable for surrounding fire.

Specific hazards arising from the chemical:

None known.

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.

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Section 6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:

Avoid contact with eyes. Wear appropriate Personal Protective Equipment when cleaning up spills.

Environmental precautions:

Avoid release into drains without dilution.

Methods and materials for containment and cleaning up:

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

Section 7. Handling and Storage

Precautions for safe handling:

Observe good personal hygiene practices and recommended procedures. Wash hands thoroughly after handling. Avoid contact with eyes, skin and clothing. When using, do not eat, drink or smoke.

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 strong 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)
Ethyl alcohol	64-17-5	1000	1880		
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 Not normally needed.

Skin protection Wear 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.

Section 9. Thermal hazards Refer to Section 5. Physical and Chemical Properties

Appearance:	Liquid	Colour:	Green
Odour:	Citrus	Boiling Point (°C):	Not established
Vapour Pressure:	Not established	Specific Gravity:	1.00
Flashpoint (°C):	Not flammable	Flammability:	Not flammable
Water Solubility:	Complete	pH:	10.0 - 11.0
Auto-ignition Temperature:	Not flammable	Viscosity:	Not established
Relative Density:	Not established	Evaporation Rate:	Not established
Vapour Pressure	Not established	Melting Point/Freezing Point(°C):	Not established

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Partition Coefficient: n-octanol/water Not established Upper/Lower Flammability or Explosive Limits: Not flammable

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: None known.
 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.

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: Not classified
 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: None known.
 Other Information: None known

Section 12. Ecological Information

Ecotoxicity: No test data available.
 Persistence and Degradability: No data available.
 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.

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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): None allocated

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 Koc 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, edition 7.3 (ADG 7.3)
3. Workplace Exposure Standards for Airborne Contaminants (Safe Work Australia)
4. Standard for the Uniform Scheduling of Medicines and Poisons No. 5 (Poisons Standard 2015)
5. Hazardous Substances Information System (HSIS - Safe Work Australia)
6. Globally Harmonised System of Classification and Labelling of Chemicals (GHS) (United Nations)
7. European Chemicals Agency (<http://echa.europa.eu/>)

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