



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 the skin and the 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. Store away from strong acids and moisture. Keep containers closed at all times - check regularly for spills.

**Section 8. Exposure Controls and Personal Protection**

**National Exposure Standards:** The following components have an established Occupational Exposure Limit (Source: Safe Work Australia - Workplace Exposure Standards For Airborne Contaminants 2013).

Ingredient Name	CAS No	ES-TWA (mg/m <sup>3</sup> )	ES-STEL (mg/m <sup>3</sup> )
Ethanol	64-17-5	1880	-

**Engineering Controls:**

Natural ventilation should be adequate under normal use conditions. Avoid generating and inhaling dusts. 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 Use rubber gloves to prevent skin contact.

Respiratory protection Respirator is not usually necessary but, if product is irritating, use a suitable respirator.

**Section 9. Physical and Chemical Properties**

<b>Appearance:</b>	Liquid	<b>Colour:</b>	Amber
<b>Odour:</b>	Slight Solvent	<b>Boiling Point (°C):</b>	Not established
<b>Vapour Pressure:</b>	Not established	<b>Specific Gravity:</b>	1.02
<b>Flashpoint (°C):</b>	Not established	<b>Flammability:</b>	Not established
<b>Water Solubility:</b>	Complete	<b>pH:</b>	7.5 - 8.5
<b>Auto-ignition Temperature:</b>	Not established	<b>Viscosity:</b>	Not established
<b>Relative Density:</b>	Not established	<b>Evaporation Rate:</b>	Not established
<b>Vapour Pressure</b>	Not established	<b>Melting Point/Freezing Point(°C):</b>	Not established
<b>Partition Coefficient: n-octanol/water</b>	Not established	<b>Upper/Lower Flammability or Explosive Limits:</b>	Not established

**Section 10. Stability and Reactivity**

**Reactivity:** Not reactive.

**Chemical Stability:** Stable under normal ambient storage conditions.

**Possibility of Hazardous Reactions:** None known.

**Conditions to Avoid:** Avoid high temperatures (store below 30°C). Protect against physical damage.

**Incompatible Materials:** None known. Do not mix with other chemicals.

**Hazardous Decomposition Products:** None known.

## Section 11. Toxicological Information

No adverse health effects expected if the product is handled in accordance with this Material 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 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:** May experience headache, nausea.

**Other Information:** None known

## Section 12. Ecological Information

**Ecotoxicity:** No test data available.

**Persistence and Degradability:** Not 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): approx. 0.8).

**Other Adverse Effects:** None known.

## Section 13. Disposal Considerations

**Disposal Method:** Refer to State/Territory Land Waste Management Authority for specific disposal instructions. 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 a Dangerous Good 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): 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 authorization 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/>)

Prepared By: Sally Fan - Regulatory Compliance Officer  
Date of First Issue: 04/06/2015  
Revision Date: GHS first issue