

## Touchdown

**Section 1. Identification**

**Product identifier:** Touchdown **Product Code:** TDOWN  
**Other means of identification:** N/A  
**Recommended use and restrictions on use:** Heavy Duty Quick Break Cleaner. 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**

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.

**GHS Classification**

Serious Eye Damage/Irritation - Category 2A  
 Skin Corrosion/Irritation - Category 2

**Signal Word**

WARNING

**Hazard Statements**

Causes serious eye irritation  
 Causes skin irritation

**Precautionary Statements**

Wash hands thoroughly after handling.  
 Wear protective gloves and eye/face protection.  
 IF ON SKIN: Wash with plenty of soap and water.  
 If skin irritation occurs: Get medical advice.  
 Take off contaminated clothing and wash before reuse.  
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 If eye irritation persists: Get medical attention.

**Pictograms**

**Section 3. Composition and Information on Ingredients**

Chemical Name	CAS Number	Percentage (%)
Butoxyethanol	111-76-2	10 - 30
Other ingredients determined not to be hazardous	-	to 100

**Section 4. First Aid Measures**

**Swallowed:** Rinse mouth and give plenty of water to drink. Do NOT induce vomiting. If symptoms develop seek medical advice.  
**Eye Contact:** Irrigate with copious amounts of water for at least 15 minutes, holding eyelids open. If eye irritation persists seek medical advice.  
**Skin Contact:** Wash skin with plenty of water. Remove contaminated clothing and wash before re-use. If skin irritation occurs seek medical advice.

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**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 <sup>3</sup> )	STEL (ppm)	STEL (mg/m <sup>3</sup> )
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**

<b>Appearance:</b>	Liquid	<b>Colour:</b>	Light Green
<b>Odour:</b>	Solvent odour	<b>Boiling Point (°C):</b>	Not established
<b>Vapour Pressure:</b>	Not established	<b>Specific Gravity:</b>	1.02 - 1.04
<b>Flashpoint (°C):</b>	Not established	<b>Flammability:</b>	Not established
<b>Water Solubility:</b>	Not established	<b>pH:</b>	10.0 - 11.0
<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**

<b>Reactivity:</b>	Not reactive.
<b>Chemical Stability:</b>	Stable under normal ambient storage conditions.
<b>Possibility of Hazardous Reactions:</b>	Hazardous polymerization will not occur.
<b>Conditions to Avoid:</b>	Avoid high temperatures (store below 30°C) and direct sunlight. Protect against physical damage.
<b>Incompatible Materials:</b>	Do not mix with other chemicals. Avoid strong acids and oxidisers.
<b>Hazardous Decomposition Products:</b>	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:** Irritating to skin

**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

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**Section 12. Ecological Information**
**Ecotoxicity:**

Test Substance	Species	LC <sub>50</sub> (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<sub>oc</sub> 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 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**

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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)
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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