

# DFA100

## Section 1. Identification

Product identifier: DFA100 Product Code: DFA100  
 Other means of identification: N/A  
 Recommended use and restrictions on use: Degreaser. Use in accordance with 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.

### 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 (%)
Alkaline builder	proprietary	1-10
2-Butoxyethanol	111-76-2	1-10
Other ingredients determined not to be hazardous or below concentration cut-off		to 100

DFA100

**Section 4. First Aid Measures**

- Swallowed:** DO NOT induce vomiting. Give plenty of water to drink. Get medical attention.
- Eye Contact:** Rinse with plenty of water for at least 15 minutes holding eyelids open. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation persists seek medical attention.
- Skin Contact:** Wash skin with plenty of water. Remove contaminated clothing and wash before reuse. If irritation persists, seek medical attention.
- Inhalation:** Move victim to fresh air, if symptoms develop, seek medical advice.
- Symptoms caused by exposure:** Prolonged exposure may cause headache, eye irritation, nausea and vomiting. Skin contact may aggravate previous skin conditions.
- Medical attention and special treatment:** No specific treatment. Treat symptomatically.

**Section 5. Fire Fighting Measures**

- Suitable extinguishing equipment:**  
Dry chemical, CO<sub>2</sub> or water spray.
- Specific hazards arising from the chemical:**  
Carbon dioxide, carbon monoxide & other toxic gases may be produced in the case of fire.
- Special protective equipment and precautions for fire fighters:**  
Firefighters should wear full protective clothing including self-contained breathing apparatus & chemical splash suit. Remove from the vicinity containers not involved in the fire.

**Section 6. Accidental Release Measures**

- Personal precautions, protective equipment and emergency procedures:**  
Clean up spill promptly to avoid accidents. Wear protective equipment (see Section 8) to prevent skin & eye contamination & inhalation of mists and vapours. Stop leak if safe to do so. Ensure adequate ventilation.
- Environmental precautions:**  
Ensure no spillage enters drains or waterways. If product does enter a waterway, advise the Environmental Protection Authority or local Council.
- Methods and materials for containment and cleaning up:**  
Cover with damp absorbent material (inert material, sand or soil). Sweep up, but avoid generating dust. Collect & seal in properly labeled drums for disposal.

**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.
- Conditions for safe storage, including incompatibilities**  
Store in a cool, dry, well-ventilated place & out of direct sunlight. Store away from strong acids & moisture. Keep containers closed at all times - check regularly for spills.

**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	2425

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

**DFA100**

**Engineering Controls:**

Natural ventilation should be adequate under normal use conditions. Avoid generating and inhaling mists and vapours. 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. Replace gloves immediately if signs of degradation are observed.

**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. Physical and Chemical Properties**

<b>Appearance:</b>	Liquid	<b>Colour:</b>	Clear
<b>Odour:</b>	Odourless	<b>Boiling Point(°C):</b>	Not available
<b>Vapour Pressure:</b>	Not available	<b>Specific Gravity:</b>	1.11
<b>Flashpoint (°C):</b>	Not available	<b>Flammability:</b>	Not flammable
<b>Water Solubility:</b>	Complete	<b>pH:</b>	12.5 - 13.5
<b>Auto-ignition Temperature:</b>	Not available	<b>Viscosity:</b>	Not available
<b>Relative Density:</b>	Not available	<b>Evaporation Rate:</b>	Not available
<b>Vapour Pressure</b>	Not available	<b>Melting Point/Freezing Point</b>	Not available
<b>Partition Coefficient: n-octanol/water</b>	Not available	<b>Upper/Lower Flammability or Explosive Limits:</b>	Not available

**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). Protect against physical damage.

**Incompatible Materials:** Do not mix with other chemicals. Store away from acids and strong oxidisers.

**Hazardous Decomposition Products:** Oxides of carbon.

**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 nausea and vomiting.

**Eye Contact:** No effects known.

**Skin Contact:** No effects known.

**Inhalation:** In large amounts can cause headache, nausea and mucous membrane irritation.

**Skin Corrosion/Irritation:** Irritating to skin

**DFA100**

<b>Serious Eye Damage/Irritation:</b>	Irritating to eyes.
<b>Respiratory or Skin Sensitisation:</b>	Not classified
<b>Germ Cell Mutagenicity:</b>	Not classified
<b>Carcinogenicity:</b>	Not classified
<b>Reproductive Toxicity:</b>	Not classified
<b>Specific Target Organ Toxicity (STOT) - Single Exposure:</b>	Not classified
<b>Specific Target Organ Toxicity (STOT) - Repeated Exposure:</b>	Not classified
<b>Aspiration Hazard:</b>	Not classified
<b>Immediate, Delayed and Chronic Health Effects From Exposure:</b>	May experience burning sensation, shortness of breath, headache, nausea and vomiting.
<b>Other Information:</b>	None known.

**Section 12. Ecological Information**

<b>Ecotoxicity:</b>	No product data available.
<b>Persistence and Degradability</b>	No data available.
<b>Bioaccumulative Potential</b>	Not expected to bioaccumulate.
<b>Mobility in Soil</b>	Negligible sorption to soil / sediment, rapid migration to ground water (Estimated Log $K_{oc}$ value (EpiSuite 4.1 KOCWIN): <1.5)
<b>Other Adverse Effects</b>	None known

**Section 13. Disposal Considerations**

<b>Disposal Methods</b>	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**

Not classified as a Dangerous Good by the criteria of the Australian Dangerous Goods Code for transport by Road and Rail.

<b>UN Number</b>	Not applicable
<b>Proper Shipping Name or Technical Name</b>	Not applicable
<b>Transport Hazard Class</b>	Not applicable
<b>Packing Group</b>	Not applicable
<b>Environmental hazards for Transport purposes</b>	Not applicable
<b>Special User Precautions</b>	Not applicable
<b>Additional Information</b>	Not Applicable
<b>Hazchem or Emergency Action Code</b>	Not applicable

**Section 15. Regulatory Information**

<b>NICNAS:</b>	All substances are listed on the Australian Inventory of Chemical Substances (AICS).
<b>Poisons Schedule (SUSMP):</b>	None allocated

**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**

## DFA100

- > 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)
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

**Prepared By:** Sally Fan - Regulatory Compliance Officer

**Date of issue:** 20/04/2016

**Reason for revision:** Regular update