

**MATERIAL SAFETY DATA SHEET**

**Section 1. Product and Supplier Identification**

**Product Name** : BLUE 42—Heavy Duty Waterborne Degreaser  
**Other Names** : None Listed  
**Use** : Cleaning Agent  
**Supplier** : CLEARMAKE PTY LTD  
**Address** : 21 Project Avenue - Noosaville - 4566 QLD  
**Telephone** : (07) 5455 6822 International +61+7+5455 6822  
**Fax** : (07) 5455 6833 International +61+7+5455 6833  
**Emergency** : 0417 720 832

**Section 2. Hazard Identification**

**Hazard Statement** This product is classified as **hazardous** according to the criteria of Workplace Australia  
 Product **is not** classified as a dangerous good according to the criteria of the Australian Dangerous Goods Code

**Risk Phrases** : R41  
 Risk of Serious Damage to Eyes  
**Safety Phrases:** S1 S40 S13 S27 S45 S46  
 Keep Locked Up  
 To clean the floor and all objects contaminated with this material use water  
**Keep away from food, drink and animal feedstuffs**  
**Remove all contaminated clothing immediately**

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

This composition is classed as a **mixture** of the following ingredients :

Component Name	CAS #	%
2-butoxyethanol	111-76-2	<10
Alkaline Salts	6834-92-0	<10
Surfactants	Proprietary	<10
Water	7732-18-5	>80
<b>Other ingredients determined as non-hazardous</b>		To 100%

## Section 4. First Aid Measures

### SWALLOWED

Rinse mouth out with plenty of water. If poisoning occurs, contact a doctor or Poisons Information Centre. If swallowed, **DO NOT** induce vomiting. Give a glass of water.

### EYE

If this product comes in contact with the eyes:  
Immediately hold the eyes open and wash continuously for at least 15 minutes with fresh running water. Ensure irrigation under eyelids by occasionally lifting the upper and lower lids. Transport to hospital or doctor without delay. Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.

### SKIN

If product comes in contact with the skin:  
Wash affected areas thoroughly with water.  
Seek medical attention in event of irritation.

### INHALED

If fumes or combustion products are inhaled: Remove to fresh air.  
Lay patient down. Keep warm and rested. If breathing is shallow or has stopped, ensure clear airway and apply resuscitation. Transport to hospital, or doctor.

### ADVICE TO DOCTOR

Treat symptoms with reference to specific health effects identified above.

## Section 5. Firefighting Measures

Not flammable / combustible.

Packaging material may, however, add to combustible load in the event of a fire.

Product / packaging should be cooled via the use of fog, water jet or foam.

## Section 6. Accidental Release Measures

### MINOR SPILLS

Slippery when spilt. Clean up all spills immediately. Avoid contact with skin.

### MAJOR SPILLS

Contain / Control Product by use of absorbent bunds.  
Absorb excess product onto suitable biodegradable absorbent and dispose of via bioremediation or fixation. DO NOT discharge a major spill to drains.

### NOTIFICATION PROCEDURES FOR SPILLS

Report Spills as required to appropriate authorities such as Local Environmental Health Officer, EPA or Fire Brigade. If spills are likely to enter any drain, waterway or groundwater, contact the Area Water Authority. In case of accident or road spill, contact the Police and Fire Brigade and, if appropriate, EPA or Area Water Authority.

## Section 7. Handling and Storage

### SUITABLE CONTAINER

Plastic pail, Polyliner drum

Packing as recommended by manufacturer. Check all containers are clearly labelled and free from leaks.

### STORAGE INCOMPATIBILITY

DO NOT use aluminium, galvanised or tin-plated containers.

### STORAGE REQUIREMENT

Store in original containers. Keep containers securely sealed when not in use. Store in a cool, dry, well-ventilated area. Store away from incompatible materials and foodstuff containers. Protect containers against physical damage and check regularly for leaks. Observe manufacturer's storing and handling recommendations.

## Section 8. Exposure Controls / Personal Protection

### ENGINEERING CONTROLS

None required when handling small quantities. OTHERWISE: Use in a well ventilated area. General exhaust is adequate under normal operating conditions.

### PERSONAL PROTECTION

#### EYE

When handling concentrate— safety glasses with side shields. Contact lenses pose a special hazard; soft lenses may absorb irritants and all lenses concentrate them.

#### HANDS/FEET

Avoid skin contact with concentrate as detergent properties may lead to defatting of skin. Polyethylene gloves or PVC gloves or Rubber Gloves. Safety footwear.

#### OTHER

General clothing (long sleeve / long pants) will provide adequate protection - or Rubber apron or Plastic apron. Ensure that there is ready access to eye wash unit. Ensure there is ready access to an emergency shower.

## Section 9. Physical and Chemical Properties

Physical State:	Liquid
Colour:	Clear Blue
Odour:	Pungent
Odour Threshold (ppm):	n/d
pH:	Undiluted 12.0 1% in distilled water 10.8
Boiling Point (°C):	100
Melting Point (°C):	0
Flash Point (°C):	Non flammable
Flammability	Non flammable
Auto Flammability	Non flammable
Explosive Properties	n/a
Oxidizing Properties	n/a
Vapour Pressure(kPa):	n/a
Specific Gravity:	1.04 – 1.06
Vapour Density	Not determined
Evaporation Rate	Similar to water
Solubility in Water (g/L):	Miscible

For further technical information please contact Clearmake Pty Ltd Technical group.

## Section 10. Stability and Reactivity

Stability (Thermal, Light, Etc)	Stable
Conditions to Avoid	Heat, flames
Incompatible with	Strong acids, oxidising agents
Decomposition Products	Limited evolution of carbon dioxide and oxides of sulphur
Self-Polymerisation	Does not occur

## Section 11. Toxicological Information

### Acute Health Effects

Most likely exposure routes for damage are by ingestion or via splash to eyes or skin.

Ingestion of product may lead to nausea, vomiting and diarrhoea, primarily due to surfactants used. Presence of 2-butoxyethanol will require monitoring of blood chemistry by appropriately trained toxicologist.

Eye contact requires immediate medical attention. Presence of concentrated surfactants and alkali may lead to localised irritation to the outer layer of the eye due to defatting.

Skin contact will usually produce no symptoms, except in individuals showing prior chemical sensitisation or dermatitis. Treatment in these cases will require medical attention.

### Chronic Health Effects

None noted.

## Section 12. Ecological Information

Ecological fate of mixture has not been directly determined— Ecological fate of components is documented and shows minimal environmental impact under normal release conditions. High concentration of product would prove toxic to aquatic organisms due to impairment of oxygen exchange / respiratory function. No detergent product should be released directly to the environment at high concentration levels.

Biodegradability rates of component parts suggest product to be readily biodegradable as defined in Australian Standards with > 98% biodegradable within 28 days.

Surfactants used are readily degraded in biological systems.

Overall level of inorganic phosphates = < 1%

Other inorganic components have little, if any, environmental impact at normal dilution rates.

Product contains no VOC components.

### **Section 13. Disposal Considerations**

Product should be disposed of according to local government guidelines.

Disposal of small amounts of concentrate is most easily achieved by dilution and discharge to the local sewerage treatment system. Disposal of larger amounts may require that the product be passed on to a competent chemical waste disposal authority or contractor.

Product should never be disposed of into natural watercourses or stormwater systems or directly to the environment without appropriate treatment.

### **Section 14. Transport Information**

Product **is not** classed as a Dangerous Good within the definition of the Australian Dangerous Goods Code.

### **Section 15. Regulatory Information**

All components utilised in this formulation are registered with the relevant Australian Government agencies (NICNAS, NIOSH, AICS).

## Section 16. Other Information

This MSDS was last reviewed on: 25 February 2010. (Rev 1.01)

Date for next mandatory review : 25 February 2015.

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## Disclaimer

This MSDS follows the NOHSC:2011(2003) National Code of Practice for the Preparation of Material Safety Data Sheets (2nd ed).

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**End of MSDS**