

# SAFETY DATA SHEET



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Version 1

## Section 1: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

### Product identifier

**Product Name** MICROCUT LB2

### Other means of identification

### Recommended use of the chemical and restrictions on use

**Recommended Use** Recommended for Industrial and/or Professional use only

### Details of manufacturer or importer

#### Manufacturer

Quaker  
49 - 61 Stephen Road  
Botany  
NSW 2019

### For further information, please contact

**Contact Point** +61 (02) 9666 0331  
**E-mail address** complianceANZ@allnex.com

### Emergency telephone number

Emergency telephone number 1800 022 037

## Section 2: HAZARD(S) IDENTIFICATION

Not classified as dangerous goods in accordance with the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG)

Classified as a hazardous substance in accordance with the criteria of Safe Work Australia - Globally Harmonised System (GHS)

### GHS Classification

<b>Serious eye damage/eye irritation</b>	Category 1 - (H318)
<b>Skin sensitisation</b>	Category 1 - (H317)
<b>Specific target organ toxicity (single exposure)</b>	Category 3 - (H335)

### Label elements



**Signal word**

Danger

### **Hazard statements**

H318 - Causes serious eye damage  
H317 - May cause an allergic skin reaction  
H335 - May cause respiratory irritation

### **Precautionary Statements - Prevention**

Wear protective gloves/protective clothing/eye protection/face protection

Avoid breathing dust/fume/gas/mist/vapours/spray  
 Contaminated work clothing should not be allowed out of the workplace  
 Use only outdoors or in a well-ventilated area

**Precautionary Statements - Response**

Specific treatment (see supplemental first aid instructions on this label)

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

Immediately call a POISON CENTRE or doctor/physician

IF ON SKIN: Wash with plenty of soap and water

If skin irritation or rash occurs: Get medical advice/attention

Wash contaminated clothing before re-use

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

Call a POISON CENTRE or doctor/physician if you feel unwell

**Precautionary Statements - Storage**

Store in a well-ventilated place. Keep container tightly closed

Store locked up

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Other hazards**

Causes mild skin irritation

Harmful to aquatic life

<b>Section 3: COMPOSITION/INFORMATION ON INGREDIENTS</b>
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**Substance**

Not applicable

**Mixture**

<b>Chemical Name</b>	<b>CAS No</b>	<b>Weight-%</b>
Ethanolamine	141-43-5	5-<10
2,2',2''-(Hexahydro-1,3,5-triazine-1,3,5-triyl)triethanol	4719-04-4	1-<5
Alcohols, C16-18, ethoxylated	68439-49-6	1-<3
2-Butoxyethanol	111-76-2	1-<3
Non-hazardous ingredients	Balance	

<b>Section 4: FIRST AID MEASURES</b>
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**Description of first aid measures**

<b>General advice</b>	Immediate medical attention is required. Show this safety data sheet to the doctor in attendance.
<b>Emergency telephone number</b>	Poisons Information Centre, Australia: 13 11 26
<b>Inhalation</b>	Remove to fresh air. If breathing has stopped, give artificial respiration. Get medical attention immediately. If not breathing, give artificial respiration. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. If breathing is difficult, (trained personnel should) give oxygen. Delayed pulmonary edema may occur. Get immediate medical advice/attention. Get medical attention immediately if symptoms occur. IF exposed or concerned: Get medical advice/attention.
<b>Skin contact</b>	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Get immediate medical advice/attention. Wash off immediately with soap and plenty of water for at least 15 minutes. Get medical attention if irritation develops and persists. Wash with soap and water. May cause an allergic skin reaction. In the case of

skin irritation or allergic reactions see a doctor.

<b>Eye contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention.
<b>Ingestion</b>	Immediate medical attention is required. Do NOT induce vomiting. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Call a doctor.
<b>Self-protection of the first aider</b>	Avoid contact with skin, eyes or clothing. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Wear personal protective clothing (see section 8).

#### **Most important symptoms and effects, both acute and delayed**

**Symptoms** Burning sensation. Itching. Rashes. Hives.

#### **Indication of any immediate medical attention and special treatment needed**

**Note to doctors** Product is a corrosive material. Use of gastric lavage or emesis is contra-indicated. Possible perforation of stomach or esophagus should be investigated. Do not give chemical antidotes. Asphyxia from glottal edema may occur. Marked decrease in blood pressure may occur with moist rales, frothy sputum, and high pulse pressure. May cause sensitisation in susceptible persons. Treat symptomatically.

### **Section 5: FIRE FIGHTING MEASURES**

#### **Suitable Extinguishing Media**

##### **Suitable extinguishing media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

##### **Unsuitable extinguishing media**

Do not use water jetstream

#### **Specific hazards arising from the chemical**

In the event of fire and/or explosion do not breathe fumes. May cause sensitisation by inhalation and skin contact. Thermal decomposition can lead to release of irritating and toxic gases and vapours. The product causes irritation of eyes, skin and mucous membranes. Product is or contains a sensitiser. May cause sensitisation by skin contact.

#### **Special protective actions for fire-fighters**

Wear self-contained breathing apparatus and protective suit. Use personal protective equipment as required.

### **Section 6: ACCIDENTAL RELEASE MEASURES**

#### **Personal precautions, protective equipment and emergency procedures**

##### **Personal precautions**

Attention! Corrosive material. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

Refer to protective measures listed in Sections 7 and 8.

##### **For emergency responders**

Use personal protection recommended in Section 8.

##### **Environmental precautions**

Prevent further leakage or spillage if safe to do so. Should not be released into the environment. Do not allow to enter into soil/subsoil. Prevent product from entering drains.

#### **Methods and material for containment and cleaning up**

##### **Methods for containment**

Prevent further leakage or spillage if safe to do so.

##### **Methods for cleaning up**

Take up mechanically, placing in appropriate containers for disposal.

#### **Precautions to prevent secondary hazards**

##### **Prevention of secondary hazards**

Clean contaminated objects and areas thoroughly observing environmental regulations.

##### **Reference to other sections**

See section 8 for more information. See section 13 for more information.

## **Section 7: HANDLING AND STORAGE**

#### **Precautions for safe handling**

##### **Advice on safe handling**

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Handle product only in closed system or provide appropriate exhaust ventilation. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before re-use.

##### **General Hygiene Considerations**

When using do not eat, drink or smoke. Wash contaminated clothing before re-use. Regular cleaning of equipment, work area and clothing is recommended. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Contaminated work clothing should not be allowed out of the workplace. Wash hands before breaks and immediately after handling the product. Wash hands before breaks and after work.

#### **Conditions for safe storage, including any incompatibilities**

##### **Storage Conditions**

Keep containers tightly closed in a dry, cool and well-ventilated place. Protect from moisture. Store locked up. Keep out of the reach of children. Store away from other materials.

##### **Incompatible materials**

Strong acids. Strong bases. Strong oxidising agents.

## **Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

#### **Control parameters**

##### **Exposure Limits**

. This product, as supplied, contains hazardous materials with occupational exposure limits.

Chemical Name	Australia
Ethanolamine 141-43-5	3 ppm TWA 7.5 mg/m <sup>3</sup> TWA 6 ppm STEL 15 mg/m <sup>3</sup> STEL
2-Butoxyethanol 111-76-2	20 ppm TWA 96.9 mg/m <sup>3</sup> TWA 50 ppm STEL 242 mg/m <sup>3</sup> STEL

	Skin*
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**Biological occupational exposure limits** An occupational medicine specialist familiar with national and regional regulations and standards must be consulted to establish a program of medical examinations for workers exposed to substances with biological limit values

Chemical Name	Australia	ACGIH	United Kingdom	European Union
2-Butoxyethanol 111-76-2	-	Butoxyacetic acid with hydrolysis: 200 mg/g creatinine urine end of shift	240 mmol/mol creatinine	

### Appropriate engineering controls

**Engineering Controls** Ensure adequate ventilation, especially in confined areas.

### Individual protection measures, such as personal protective equipment

**Eye/face protection** Tight sealing safety goggles. Face protection shield.

**Skin and body protection** Suitable protective clothing. Apron. Gloves made of plastic or rubber.

**Hand Protection** Wear suitable gloves.

**Respiratory protection** Where respiratory protection is required, use a respirator selected and in accordance with AS/NZS 1715 and AS/NZS 1716.

**Environmental exposure controls** Do not allow into any sewer, on the ground or into any body of water.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

**Physical state** liquid  
**Appearance** viscous  
**Colour** green  
**Odour** No information available  
**Odour threshold** No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	9.7 - 10.2	
Melting point / freezing point		No information available
Boiling point / boiling range		No information available
Flash point	No information available	No information available
Evaporation rate		No information available
Flammability (solid, gas)		No information available
Flammability Limit in Air		
Upper flammability limit:	No information available	
Lower flammability limit:	No information available	
Vapour pressure		No information available
Vapour density		No information available
Relative density	1.005	
Water solubility		Soluble in water
Solubility(ies)	-	No information available
Partition coefficient		No information available
Autoignition temperature		No information available
Decomposition temperature		No information available
Kinematic viscosity		No information available
Dynamic viscosity		No information available

**Explosive properties** No information available  
**Oxidising properties** No information available

**Other Information**

**VOC Content (%)** No information available  
**Density** No information available  
\* This information may be derived from the components in the preparation.

## Section 10: STABILITY AND REACTIVITY

**Reactivity**

No Data Available.

**Chemical stability**

Stable under normal conditions.

Explosion data

Sensitivity to Mechanical Impact

None.

Sensitivity to Static Discharge

May be ignited by heat, sparks or flames.

**Possibility of Hazardous Reactions**

**Possibility of Hazardous Reactions**

None under normal processing.

**Conditions to avoid**

**Incompatible materials**

Strong acids. Strong bases. Strong oxidising agents.

**Hazardous Decomposition Products**

None under normal use conditions.

## Section 11: TOXICOLOGICAL INFORMATION

**Acute toxicity**

**Information on likely routes of exposure**

**Product Information**

**Inhalation**

Specific test data for the substance or mixture is not available. Corrosive by inhalation. (based on components). Inhalation of corrosive fumes/gases may cause coughing, choking, headache, dizziness, and weakness for several hours. Pulmonary edema may occur with tightness in the chest, shortness of breath, bluish skin, decreased blood pressure, and increased heart rate. Inhaled corrosive substances can lead to a toxic edema of the lungs. Pulmonary edema can be fatal.

**Eye contact**

Specific test data for the substance or mixture is not available. Causes burns. (based on components). Corrosive to the eyes and may cause severe damage including blindness. Causes serious eye damage. May cause irreversible damage to eyes.

**Skin contact**

May cause sensitisation by skin contact. Specific test data for the substance or mixture is not available. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. (based on components). Corrosive. Causes burns.

**Ingestion**

Specific test data for the substance or mixture is not available. Causes burns. (based on components). Ingestion causes burns of the upper digestive and respiratory tracts. May

cause severe burning pain in the mouth and stomach with vomiting and diarrhea of dark blood. Blood pressure may decrease. Brownish or yellowish stains may be seen around the mouth. Swelling of the throat may cause shortness of breath and choking. May cause lung damage if swallowed.

#### **Numerical measures of toxicity - Product Information**

The following values are calculated based on chapter 3.1 of the GHS document

Converted acute toxicity point estimates may have been used when only acute toxicity hazard classification is available.

<b>ATEmix (oral)</b>	9,475.00
<b>ATEmix (dermal)</b>	18,333.00
<b>ATEmix (inhalation-vapour)</b>	183.00
<b>ATEmix (inhalation-dust/mist)</b>	25.00

0% of the mixture consists of ingredient(s) of unknown toxicity

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Ethanolamine	= 1720 mg/kg ( Rat )	= 1000 mg/kg ( Rabbit ) = 1 mL/kg ( Rabbit )	-
2,2',2''-(Hexahydro-1,3,5-triazine-1,3,5-triyl) triethanol	= 763 mg/kg ( Rat )	-	-
Alcohols, C16-18, ethoxylated	= 1260 mg/kg ( Rat )	-	-
2-Butoxyethanol	= 470 mg/kg ( Rat )	= 99 mg/kg ( Rabbit )	= 450 ppm ( Rat ) 4 h

See section 16 for terms and abbreviations

#### **Delayed and immediate effects as well as chronic effects from short and long-term exposure**

##### **Skin corrosion/irritation**

May cause skin irritation.

##### **Serious eye damage/eye irritation**

Classification based on data available for ingredients. Causes burns. Risk of serious damage to eyes.

##### **Sensitisation**

May cause sensitisation by skin contact.

##### **Germ cell mutagenicity**

No information available.

##### **Carcinogenicity**

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##### **Reproductive toxicity**

No information available.

##### **STOT - single exposure**

May cause respiratory irritation. May cause drowsiness or dizziness.

##### **STOT - repeated exposure**

No information available.

##### **Aspiration hazard**

No information available.

## Section 12: ECOLOGICAL INFORMATION

##### **Ecotoxicity**

##### **Unknown Aquatic Toxicity**

0% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Chemical Name	Fish
Ethanolamine	300 - 1000 mg/L LC50 96 h Lepomis macrochirus static 3684 mg/L LC50 96 h Brachydanio rerio static 200 mg/L LC50 96 h Oncorhynchus mykiss flow-through 114 - 196 mg/L LC50 96 h Oncorhynchus mykiss static 227 mg/L LC50 96 h Pimephales promelas flow-through
2-Butoxyethanol	2950 mg/L LC50 96 h Lepomis macrochirus 1490 mg/L LC50 96 h Lepomis macrochirus static

Chemical Name	Crustacea
Ethanolamine	65 mg/L EC50 48 h Daphnia magna
2-Butoxyethanol	1000 mg/L EC50 48 h Daphnia magna 1698 - 1940 mg/L EC50 24 h Daphnia magna

Chemical Name	Algae/aquatic plants
Ethanolamine	15 mg/L EC50 72 h Desmodemus subspicatus

**Persistence and degradability**

No information available.

**Bioaccumulative potential**

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Chemical Name	Partition coefficient
Ethanolamine	-1.91
2-Butoxyethanol	0.81

**Mobility****Mobility in soil**

No information available.

**Mobility**

No information available.

**Other adverse effects**

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**Endocrine Disruptor Information .**

Chemical Name	EU - Endocrine Disruptors Candidate List	EU - Endocrine Disruptors - Evaluated Substances	Endocrine disrupting potential
2,2',2''-(Hexahydro-1,3,5-triazine-1,3,5-triyl) triethanol	Group III Chemical	-	-

**Section 13: DISPOSAL CONSIDERATIONS****Waste treatment methods****Waste from residues/unused products**

Disposal should be in accordance with applicable regional, national and local laws and regulations. Since empty containers retain product residue, follow label warnings even after container is emptied.

**Contaminated packaging**

Disposal should be in accordance with applicable regional, national and local laws and regulations. Observe all label precautions until container is cleaned, reconditioned or destroyed. Refer to all federal, state and local regulations prior to disposal of container and unused contents by reuse, recycle or disposal.



<b>Section 14: TRANSPORT INFORMATION</b>
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**ADG** Not regulated

**IMDG** Not regulated

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**  
No information available

**IATA** Not regulated

<b>Section 15: REGULATORY INFORMATION</b>
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**Safety, health and environmental regulations/legislation specific for the substance or mixture**

**National regulations**

**Australia**

Not classified as dangerous goods in accordance with the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG). Classified as a hazardous substance in accordance with the criteria of Safe Work Australia - Globally Harmonised System (GHS)

See section 8 for national exposure control parameters

**Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP)**

Not scheduled

**Poison Schedule Number** Not scheduled

**International Inventories**

<b>AICS</b> - Australian Inventory of Chemical Substances	Listed or exempt
<b>DSL</b> - Canadian Domestic Substances List	No information available
<b>IECSC</b> - China Inventory of Existing Chemical Substances	No information available
<b>EINECS/ELINCS</b> - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances	No information available
<b>ENCS</b> - Japan Existing and New Chemical Substances	No information available
<b>KECL</b> - Korean Existing and Evaluated Chemical Substances	No information available
<b>NZIoC</b> - New Zealand Inventory of Chemicals	Listed or exempt
<b>PICCS</b> - Philippines Inventory of Chemicals and Chemical Substances	No information available
<b>CICR</b> - Turkey Chemical Inventory Control Regulation	No information available
<b>NCSR</b> - Taiwan National Chemical Substance Registry	No information available
<b>TSCA</b> - United States Toxic Substances Control Act Section 8(b) Inventory	No information available

For confirmation on the European REACH status contact the Nuplex Regional Compliance group for additional information

**International Regulations**

Ozone-depleting substances (ODS) Not applicable

Persistent Organic Pollutants Not applicable

Export Notification requirements Not applicable

<b>Section 16: ANY OTHER RELEVANT INFORMATION</b>
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Revision Date 25-Nov-2016

**Revision Note**

The symbol (\*) in the margin of this SDS indicates that this line has been revised.

**Key or legend to abbreviations and acronyms used in the safety data sheet**

**Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation
C	Carcinogen		

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**End of Safety Data Sheet**