

SAFETY DATA SHEET



Issue Date 25-Nov-2016

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Version 1

Section 1: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

Product identifier

Product Name QWERL 2000 NZ

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

Skin corrosion/irritation	Category 2 - (H315)
Serious eye damage/eye irritation	Category 2 - (H319)

Label elements



Signal word Warning

Hazard statements

H315 - Causes skin irritation
H319 - Causes serious eye irritation

Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling
Wear protective gloves/protective clothing/eye protection/face protection

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
 If eye irritation persists: Get medical advice/attention
 IF ON SKIN: Wash with plenty of soap and water
 If skin irritation occurs: Get medical advice/attention
 Take off contaminated clothing and wash before re-use

Other hazards

Harmful to aquatic life with long lasting effects
 Harmful to aquatic life

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS**Substance**

Not applicable

Mixture

Chemical Name	CAS No	Weight-%
Triethanolamine	102-71-6	10-<20
Ethanol, 2-(hydroxymethylamino)-2-Butoxyethanol	34375-28-5	10-<20
	111-76-2	1-<3
Poly[oxyethylene(dimethyliminio)ethylene(dimethyliminio)ethylene dichloride]	31075-24-8	1-<3
Non-hazardous ingredients	Balance	

Section 4: FIRST AID MEASURES**Description of first aid measures**

General advice	Show this safety data sheet to the doctor in attendance.
Emergency telephone number	Poisons Information Centre, Australia: 13 11 26
Inhalation	Remove to fresh air. Get medical attention immediately if symptoms occur.
Skin contact	Wash off immediately with soap and plenty of water for at least 15 minutes. Get medical attention if irritation develops and persists.
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists. Do not rub affected area.
Ingestion	Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a doctor.
Self-protection of the first aider	Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8).

Most important symptoms and effects, both acute and delayed

Symptoms Burning sensation.

Indication of any immediate medical attention and special treatment needed

Note to doctors 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

Thermal decomposition can lead to release of irritating and toxic gases and vapours.

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**

Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required.

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.

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
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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. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before re-use.

General Hygiene Considerations

Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Avoid contact with skin, eyes or clothing.

Conditions for safe storage, including any incompatibilities

Storage Conditions

Keep containers tightly closed in a dry, cool and well-ventilated place.

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
Triethanolamine 102-71-6	5 mg/m ³ TWA
2-Butoxyethanol 111-76-2	20 ppm TWA 96.9 mg/m ³ TWA 50 ppm STEL 242 mg/m ³ STEL Skin*

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.

Skin and body protection Suitable protective clothing.

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 No information available.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES
Information on basic physical and chemical properties

Physical state liquid
Appearance clear
Colour yellow To orange
Odour No information available
Odour threshold No information available

Property	Values	Remarks • Method
pH	9.5 - 10.5	solution (5 %)

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	1.09	@ 25 °C
Water solubility		Soluble in water
Solubility(ies)	-	No information available
Partition coefficient		No information available
Autoignition temperature		Not applicable
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. May cause irritation of respiratory tract.
Eye contact	Specific test data for the substance or mixture is not available. Irritating to eyes. (based on components). Causes serious eye irritation.
Skin contact	Specific test data for the substance or mixture is not available. Causes skin irritation. (based on components).
Ingestion	Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

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.

ATEmix (oral)	18,800.00
ATEmix (dermal)	44,000.00
ATEmix (inhalation-vapour)	81.00
ATEmix (inhalation-dust/mist)	11.10
0% of the mixture consists of ingredient(s) of unknown toxicity	

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Triethanolamine	= 4190 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

Classification based on individual ingredients of the mixture. Irritating to skin.

Serious eye damage/eye irritation

Classification based on individual ingredients of the mixture. Irritating to eyes.

Sensitisation

No information available.

Germ cell mutagenicity

No information available.

Carcinogenicity

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Reproductive toxicity

No information available.

STOT - single exposure

No information available.

STOT - repeated exposure

No information available.

Aspiration hazard

No information available.

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity**Unknown Aquatic Toxicity**

10% of the mixture consists of component(s) of unknown hazards to the aquatic environment

Chemical Name	Fish
Triethanolamine	10600 - 13000 mg/L LC50 96 h Pimephales promelas flow-through 450 - 1000 mg/L LC50 96 h Lepomis macrochirus static 1000 mg/L LC50 96 h Pimephales promelas static
2-Butoxyethanol	2950 mg/L LC50 96 h Lepomis macrochirus 1490 mg/L LC50 96 h Lepomis macrochirus static

Chemical Name	Crustacea
Triethanolamine	1386 mg/L EC50 24 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
Triethanolamine	169 mg/L EC50 96 h Desmodesmus subspicatus 216 mg/L EC50 72 h Desmodesmus subspicatus

Persistence and degradability

No information available.

Bioaccumulative potential

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Chemical Name	Partition coefficient
Triethanolamine	-2.53
2-Butoxyethanol	0.81

Mobility**Mobility in soil**

No information available.

Mobility

No information available.

Other adverse effects

No information available.

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.

Section 14: TRANSPORT INFORMATION

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

Section 15: REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulations

Australia

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See section 8 for national exposure control parameters

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

Classified as a scheduled poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP)

Poison Schedule Number S6

International Inventories

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

Section 16: ANY OTHER RELEVANT INFORMATION

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