

# Safety Data Sheet

## Hazardous, NON-Dangerous Goods

### 1. MATERIAL AND SUPPLY COMPANY IDENTIFICATION

Product name: **ECOCOOL GLOBAL 1000**

**Synonyms**

20L  
205L  
1000L

**Product Code**

602012869  
602296054  
602004475

**Recommended use:** Cutting fluid.

**Supplier:** FUCHS Lubricants (Australasia) Pty Ltd  
**Street Address:** Head Office  
49 McIntyre Road  
Sunshine VIC 3020  
Australia

**Telephone:** 1800 180 013 (Australia)  
0800 382 476 (New Zealand)

**Website:** [www.fuchs.com.au](http://www.fuchs.com.au)  
**Email:** [sds.au@fuchs.com](mailto:sds.au@fuchs.com)

**Emergency Telephone number:** Australia 1800 638 556 (24hr)  
New Zealand 0800 154 666 (24hr)

### 2. HAZARDS IDENTIFICATION

This material is hazardous according to the criteria of Safe Work Australia GHS 7.



**Signal Word**

Warning

**Hazard Classifications**

Eye Irritation - Category 2A

Chronic Hazard to the Aquatic Environment - Category 3

**Hazard Statements**

H319 Causes serious eye irritation.  
H412 Harmful to aquatic life with long lasting effects.

**Prevention Precautionary Statements**

P264 Wash hands, face and all exposed skin thoroughly after handling.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/protective clothing including eye/face protection.

**Response Precautionary Statements**

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+P313 If eye irritation persists: Get medical advice/attention.

**Storage Precautionary Statement**

Not allocated

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## Disposal Precautionary Statement

P501 Dispose of contents/container in accordance with local, regional, national and international regulations.

**Poison Schedule:** Not Applicable

## DANGEROUS GOOD CLASSIFICATION

Not classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land".

## 3. COMPOSITION INFORMATION

CHEMICAL ENTITY	CAS NO	PROPORTION
Mixture of mineral base oil, anionic and nonionic agents and corrosion preventing additives in combination with stabilisers based on glycol-fatty alcohols. This product is applied only as solution or emulsion in water.		
Alkanolamine	105-59-9	5-<10 %
Acid, ionic equilibrium with organic bases		1-<10 %
Prim. triamine, ionic equilibrium with acids		1-<2.5 %
Prim. alkanolamine, ionic equilibrium with acids		1-<13
		100%

## 4. FIRST AID MEASURES

If poisoning occurs, contact a doctor or Poisons Information Centre (Phone Australia 131 126, New Zealand 0800 764 766).

**Inhalation:** Remove victim from exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if effects persist.

**Skin Contact:** If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If swelling, redness, blistering or irritation occurs seek medical assistance.

**Eye contact:** If in eyes, hold eyelids apart and flush the eyes continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a Doctor; or for at least 15 minutes and transport to Doctor or Hospital.

**Ingestion:** Rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water to drink. Never give anything by the mouth to an unconscious patient. If vomiting occurs give further water. Seek medical advice.

**PPE for First Aiders:** Wear safety shoes, overalls, gloves, chemical goggles. Available information suggests that gloves made from nitrile rubber should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

**Notes to physician:** Treat symptomatically.

## 5. FIRE FIGHTING MEASURES

**Hazchem Code:** Not applicable.

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**Suitable extinguishing media:** If material is involved in a fire use water fog (or if unavailable fine water spray), alcohol resistant foam, standard foam, dry agent (carbon dioxide, dry chemical powder).

**Specific hazards:** Non-combustible material.

**Fire fighting further advice:** Not combustible, however following evaporation of aqueous component residual material can burn if ignited.

## 6. ACCIDENTAL RELEASE MEASURES

### SMALL SPILLS

Wear protective equipment to prevent skin and eye contamination. Avoid inhalation of vapours or dust. Wipe up with absorbent (clean rag or paper towels). Collect and seal in properly labelled containers or drums for disposal.

### LARGE SPILLS

Clear area of all unprotected personnel. Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contamination and the inhalation of vapours. Work up wind or increase ventilation. Contain - prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Collect and seal in properly labelled containers or drums for disposal. If contamination of crops, sewers or waterways has occurred advise local emergency services.

**Dangerous Goods - Initial Emergency Response Guide No:** Not applicable

## 7. HANDLING AND STORAGE

**Handling:** Product is designed for use diluted with water. Dilutions of this product should be handled in the same manner as for the concentrate, as outlined in this safety data sheet.

**Storage:** Store in a cool, dry, well-ventilated place and out of direct sunlight. Store away from foodstuffs. Store away from incompatible materials described in Section 10. Store away from sources of heat and/or ignition. Keep container standing upright. Keep containers closed when not in use - check regularly for leaks.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**National occupational exposure limits:** No value assigned for this specific material by Safe Work Australia.

**Biological Limit Values:** As per the "National Model Regulations for the Control of Workplace Hazardous Substances (Safe Work Australia)" the ingredients in this material do not have a Biological Limit Allocated.

**Engineering Measures:** Natural ventilation should be adequate under normal use conditions.

**Personal Protection Equipment:** SAFETY SHOES, OVERALLS, GLOVES, CHEMICAL GOGGLES.

Personal protective equipment (PPE) must be suitable for the nature of the work and any hazard associated with the work as identified by the risk assessment conducted.

Wear safety shoes, overalls, gloves, chemical goggles. Available information suggests that gloves made from nitrile rubber should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

**Hygiene measures:** Keep away from food, drink and animal feeding stuffs. When using do not eat, drink or smoke. Wash hands prior to eating, drinking or smoking. Avoid contact with clothing. Avoid eye contact and repeated or prolonged skin contact. Avoid inhalation of vapour, mist or aerosols. Ensure that eyewash stations and safety showers are close to the workstation location.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	Liquid
Colour:	Amber
Odour:	Characteristic
Solubility in water:	Soluble
Density:	0.99 g/cm <sup>3</sup> @ 15°C
Relative Vapour Density (air=1):	N Av
Vapour Pressure:	N Av
Flash Point (°C):	N App
Flammability Limits (%):	N Av
Pour Point/Range (°C):	N Av
Boiling Point/Range (°C):	N Av
pH:	9.4 (10%)
Viscosity:	65 mm <sup>2</sup> /s @ 40°C
Total VOC (g/Litre):	N Av

(Typical values only - consult specification sheet)

N Av = Not available, N App = Not applicable

## 10. STABILITY AND REACTIVITY

**Chemical stability:** This material is thermally stable when stored and used as directed.

**Conditions to avoid:** Elevated temperatures and sources of ignition.

**Incompatible materials:** Strong oxidising substances. Strong acids. Strong bases.

**Hazardous decomposition products:** Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

**Hazardous reactions:** No known hazardous reactions.

## 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 or effects that may arise if the product is mishandled and overexposure occurs are:

### Acute Effects

**Inhalation:** Material may be an irritant to mucous membranes and respiratory tract.

**Skin contact:** Contact with skin may result in irritation.

**Ingestion:** Swallowing can result in nausea, vomiting and irritation of the gastrointestinal tract.

**Eye contact:** An eye irritant.

### Acute toxicity

**Inhalation:** This material has been classified as not hazardous for acute inhalation exposure. Acute toxicity estimate (based on ingredients): LC<sub>50</sub> > 20.0 mg/L for vapours or LC<sub>50</sub> > 5.0 mg/L for dust and mist.

**Skin contact:** This material has been classified as not hazardous for acute dermal exposure. Acute toxicity estimate (based on ingredients): LD<sub>50</sub> > 2,000 mg/Kg bw

Product: ATEmix: 34170 mg/kg

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## Specified substance(s)

Alkanolamine - LD50 (Rabbit): 5990 mg/kg  
 Prim. alkanolamine, ionic equilibrium with acids - LD50 (Rabbit): 1851 mg/kg  
 Prim. triamine, ionic equilibrium with acids - LD50 (Rat): >1000 mg/kg (Method: OECD 402)

**Ingestion:** This material has been classified as not hazardous for acute ingestion exposure. Acute toxicity estimate (based on ingredients): LD<sub>50</sub> > 2,000 mg/Kg bw

## Product:

ATEmix: 15647 mg/kg

## Specified substance(s)

Alkanolamine - LD50 (Rat): 4680 mg/kg  
 Acid, ionic equilibrium with organic bases - LD50 (Rat): >5000 mg/kg (Method: OECD 423)  
 Prim. triamine, ionic equilibrium with acids - LD50 (Rat): 550 mg/kg  
 Prim. alkanolamine, ionic equilibrium with acids - LD50 (Rat): 2813 mg/kg  
 Prim. alkanolamine, ionic equilibrium with acids - LD50 (Rat, female): 550 mg/kg

**Corrosion/Irritancy:** Eye: this material has been classified as not corrosive or irritating to eyes. Skin: this material has been classified as not corrosive or irritating to skin.

**Sensitisation:** Inhalation: this material has been classified as not a respiratory sensitiser. Skin: this material has been classified as not a skin sensitiser.

**Aspiration hazard:** This material has been classified as not an aspiration hazard.

**Specific target organ toxicity (single exposure):** This material has been classified as not a specific hazard to target organs by a single exposure.

## Chronic Toxicity

**Mutagenicity:** This material has been classified as not a mutagen.

**Carcinogenicity:** This material has been classified as not a carcinogen.

**Reproductive toxicity (including via lactation):** This material has been classified as not a reproductive toxicant.

**Specific target organ toxicity (repeat exposure):** This material has been classified as not a specific hazard to target organs by repeat exposure.

## 12. ECOLOGICAL INFORMATION

Avoid contaminating waterways.

**Acute aquatic hazard:** This material has been classified as not hazardous for acute aquatic exposure. Acute toxicity estimate (based on ingredients): > 100 mg/L

## Specified substance(s)

Alkanolamine - 48hr EC50 (Water flea): 233 mg/l  
 Acid, ionic equilibrium with organic bases - 48hr EC50 (Water flea): >1000 mg/l  
 Acid, ionic equilibrium with organic bases - 48hr EC50 (Water flea): >100 mg/l (Method: OECD 202)  
 Glycerol - 48hr EC50 (Water flea): >10000 mg/l  
 Prim. alkanolamine, ionic equilibrium with acids - 48hr EC50 (Water flea): >100 mg/l  
 Prim. alkanolamine, ionic equilibrium with acids - 48hr EC50 (Water flea): 44 mg/l (Method: OECD 202)  
 Alkanolamine - 96hr LC50 (Fish): 1466 mg/l  
 Acid, ionic equilibrium with organic bases - 96hr LC50 (Fish): 101 mg/l  
 Glycerol - 96hr LC50 (Fish): >10000 mg/l  
 Prim. triamine, ionic equilibrium with acids - 96hr LC50 (Fish): >100 mg/l (Method: OECD 203)

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Prim. alkanolamine, ionic equilibrium with acids - 96hr LC50 (Fish): >100 mg/l  
Prim. alkanolamine, ionic equilibrium with acids - 96hr LC50 (Fish): 68 mg/l (Method: OECD 203)

**Long-term aquatic hazard:** This material has been classified as a Category Chronic 3 Hazard. Non-rapidly or rapidly degradable substance for which there are adequate chronic toxicity data available OR in the absence of chronic toxicity data, Acute toxicity estimate (based on ingredients): 10 - 100 mg/L, where the substance is not rapidly degradable and/or BCF  $\geq$  500 and/or log  $K_{ow} \geq$  4.

Specified substance(s)

Alkanolamine - 72hr EC50 (Algae): 176 mg/l  
Prim. triamine, ionic equilibrium with acids - 72hr EC50 (Algae): 4.4 mg/l (Method: OECD 201)  
Prim. alkanolamine, ionic equilibrium with acids - 72hr EC50 (Algae): 32.7 mg/l

**Ecotoxicity:** No information available.

**Persistence and degradability:** No information available.

Biodegradation

Specified substance(s)

Alkanolamine - 96% (18d) The product is readily biodegradable.  
Prim. triamine, ionic equilibrium with acids - <5% (28d, OECD 301F) Not easily biodegradable  
Prim. alkanolamine, ionic equilibrium with acids - >60% (28d) The product is readily biodegradable.  
Prim. alkanolamine, ionic equilibrium with acids - 100% (28d, OECD 301F) The product is readily biodegradable.

**Bioaccumulative potential:** No information available.

Specified substance(s)

Prim. alkanolamine, ionic equilibrium with acids - Bioconcentration Factor (BCF): 2.8

**Mobility:** No information available.

## 13. DISPOSAL CONSIDERATIONS

Persons conducting disposal, recycling or reclamation activities should ensure that appropriate personal protection equipment is used, see "Section 8. Exposure Controls and Personal Protection" of this SDS.

If possible material and its container should be recycled. If material or container cannot be recycled, dispose in accordance with local, regional, national and international Regulations.

## 14. TRANSPORT INFORMATION

### ROAD AND RAIL TRANSPORT

Not classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land".

### MARINE TRANSPORT

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

### AIR TRANSPORT

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

## 15. REGULATORY INFORMATION

This material/constituent(s) is covered by the following requirements:

Product Name: ECOCOOL GLOBAL 1000

Reference No: See Section 1 of SDS

Issued: 2025-DEC-01

Version: 2.1

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The Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) established under the Therapeutic Goods Act (Commonwealth): Not Applicable.

AICIS Status: All components of this product are listed on or exempt from the Australian Inventory of Industrial Chemicals (AIIC).

NZ EPA Status: All components of this product are listed on or exempt from the New Zealand Inventory of Chemical (NZIoC).

**HSNO Group Standard:** HSR002612 - Metal Industry Products (Subsidiary Hazard) Group Standard 2020

## 16. OTHER INFORMATION

Reason for issue: Minor Text Changes

This information was prepared in good faith from the best information available at the time of issue. It is based on the present level of research and to this extent we believe it is accurate. However, no guarantee of accuracy is made or implied and since conditions of use are beyond our control, all information relevant to usage is offered without warranty. The manufacturer will not be held responsible for any unauthorised use of this information or for any modified or altered versions.

If you are an employer it is your duty to tell your employees, and any others that may be affected, of any hazards described in this sheet and of any precautions that should be taken.

Safety Data Sheets are updated frequently. Please ensure you have a current copy.