

Safety Data Sheet

Hazardous, NON-Dangerous Goods

1. MATERIAL AND SUPPLY COMPANY IDENTIFICATION

Product name: **RENOCLEAN WSA 3002**

Recommended use: Cleaning agent / Cleaner.

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

Telephone: +61 3 9300 6400 (Australia)
+64 6 828 3255 (New Zealand)

Website: www.fuchs.com.au

Email: sds.au@fuchs.com

Emergency Telephone number: Australia 1800 638 556 (24hr)
New Zealand 0800 154 166 (24hr)

2. HAZARDS IDENTIFICATION

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



Signal Word

Warning

Hazard Classifications

Skin Corrosion/Irritation - Category 2

Eye Damage/Irritation - Category 2A

Hazard Statements

H315 Causes skin irritation.

H319 Causes serious eye irritation.

Prevention Precautionary Statements

P264 Wash hands, face and all exposed skin thoroughly after handling.

P280 Wear protective gloves/protective clothing including eye/face protection.

Response Precautionary Statements

P302+P352 IF ON SKIN: Wash with plenty of water and soap.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P332+P313 If skin irritation occurs: Get medical advice/attention.

P337+P313 If eye irritation persists: Get medical advice/attention.

P362+P364 Take off contaminated clothing and wash it before reuse

Storage Precautionary Statement

Not allocated

Disposal Precautionary Statement

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Not allocated

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 based on ionic- and nonionic tensides in combination with stabilisers.		
Acid, ionic equilibrium with organic bases (neutralisation product)		10-20 %
Prim. alkanolamine, ionic equilibrium with acids (neutralisation product)		5-10 %
Fatty alcohol, ethoxylated	Polymer	1-5 %
Fatty alcohol, alkoxylate	Polymer	1-5 %
Polyglycole	Polymer	1-5 %
Monoethanolamine	141-43-5	1-3 %
Tolutriazole derivative	64665-57-2	<1 %
		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, immediately remove contaminated clothing and flush skin and hair with running water. Continue flushing with water until advised to stop by the Poisons Information Centre or a Doctor; or for 15 minutes and transport to Doctor or Hospital.

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, safety glasses. 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: Avoid eye contact and skin contact. Avoid inhalation of vapour, mist or aerosols.

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:

	TWA		STEL		NOTICES
	ppm	mg/m3	ppm	mg/m3	
Ethanolamine	3	7.5	6	15	-

As published by Safe Work Australia.

TWA - The time-weighted average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life.

STEL (Short Term Exposure Limit) - the average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight-hour workday.

These Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. These exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

If the directions for use on the product label are followed, exposure of individuals using the product should not exceed the above standard. The standard was created for workers who are routinely, potentially exposed during product manufacture.

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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: Ensure ventilation is adequate to maintain air concentrations below Exposure Standards. Use only in well ventilated areas. Use with local exhaust ventilation or while wearing appropriate respirator.

Personal Protection Equipment: SAFETY SHOES, OVERALLS, GLOVES, SAFETY GLASSES.

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, safety glasses. 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 skin contact. Avoid inhalation of vapour, mist or aerosols. Ensure that eyewash stations and safety showers are close to the workstation location.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form: Liquid
Colour: Yellow
Odour: Characteristic

Solubility in water: Soluble
Density: 1.08 g/cm³ @ 15°C
Relative Vapour Density (air=1): N Av
Vapour Pressure (20 °C): N Av
Flash Point (°C): N App
Flammability Limits (%): N App
Pour Point/Range (°C): N Av
Boiling Point/Range (°C): N Av
pH: 9.2 (20 g/L, 20°C)
Viscosity: N App
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 oxidizing 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

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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 will 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): LC₅₀ > 20.0 mg/L for vapours or LC₅₀ > 5.0 mg/L for dust and mist.

Product - ATEmix: 12222 mg/l Vapour
Specified substance(s)
Monoethanolamine - LC50 (Rat, 4h): >1487 mg/l

Skin contact: This material has been classified as not hazardous for acute dermal exposure. Acute toxicity estimate (based on ingredients): LD₅₀ > 2,000 mg/Kg bw

Product - ATEmix: 12222 mg/kg
Specified substance(s)
Prim. alkanolamine, ionic equilibrium with acids - LD50 (Rabbit): 2504 mg/kg (OECD 402)
Monoethanolamine - LD50 (Rabbit): 2504 mg/kg (OECD 402)

Ingestion: This material has been classified as not hazardous for acute ingestion exposure. Acute toxicity estimate (based on ingredients): LD₅₀ > 2,000 mg/Kg bw

Product - ATEmix: 4284 mg/kg
Specified substance(s)
Acid, ionic equilibrium with organic bases – LD50 (Rat): 1100 mg/kg
Prim. alkanolamine, ionic equilibrium with acids – LD50 (Rat) 1515 mg/kg (OECD 401)
Monoethanolamine - LD50 (Rat): 1515 mg/kg (OECD 401)
Tolutriazole derivative - LD50 (Rat): 735 mg/kg (OECD 401)

Corrosion/Irritancy: Eye: this material has been classified as a Category 2A Hazard (reversible effects to eyes).

Specified substance(s)
Monoethanolamine - Corrosive to skin and eyes
Fatty alcohol, ethoxylated - OECD 405 (Rabbit): Irritating
Polyglycole - OECD 405 Not irritant

Skin: this material has been classified as a Category 2 Hazard (reversible effects to skin).

Specified substance(s)
Monoethanolamine - Corrosive
Fatty alcohol, ethoxylated - OECD 404 (Rabbit): Slightly irritating
Polyglycole - OECD 404 Not irritant

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

Specified substance(s)
Monoethanolamine - OECD 406-1 (Guinea Pig) 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

Long-term aquatic hazard: This material has been classified as not hazardous for chronic aquatic exposure. 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): >100 mg/L, where the substance is not rapidly degradable and/or BCF < 500 and/or log K_{ow} < 4.

Ecotoxicity: No information available.

Specified substance(s)

Acute toxicity

Fish

Acid, ionic equilibrium with organic bases - LC50 (Fish, 96h): 122 mg/l
Prim. alkanolamine, ionic equilibrium with acids - LC50 (Fish, 96h): 125 mg/l
Monoethanolamine - LC50 (Fish, 96h): 125 mg/l
Fatty alcohol, ethoxylated - LC50 (Fish, 96h): 1.1 mg/l
Fatty alcohol, alkoxyolate - LC50 (Fish, 96h): >1-10 mg/l (OECD 203)
Polyglycole - LC50 (Fish, 96h): >100 mg/l (OECD 203)
Tolutriazole derivative - LC50 (Fish, 96h): 25 mg/l

Aquatic Invertebrates

Acid, ionic equilibrium with organic bases - EC50 (Water Flea, 48h): 68 mg/l
Prim. alkanolamine, ionic equilibrium with acids - EC50 (Water Flea, 48h): 65 mg/l
Monoethanolamine - EC50 (Water Flea, 48h): 65 mg/l
Fatty alcohol, ethoxylated - EC50 (Water Flea, 48h): 1.1 mg/l (OECD 202)
Polyglycole - EC50 (Water Flea, 48h): >100 mg/l

Chronic toxicity

Fish

Monoethanolamine NOEC (Fish, 30d): 1.2 mg/l

Aquatic Invertebrates

Monoethanolamine NOEC (Water Flea, 21d): 0.85 mg/l (OECD 211)

Toxicity to Aquatic Plants

Acid, ionic equilibrium with organic bases - EC50 (Alga, 72h): 81 mg/l
Prim. alkanolamine, ionic equilibrium with acids - EC50 (Alga, 72h): 22 mg/l
Monoethanolamine - EC50 (Alga, 72h): 22 mg/l
Fatty alcohol, ethoxylated - EC50 (Alga, 72h): 1.1 mg/l (OECD 201)
Fatty alcohol alkoxyolate - EC50 (Alga, 72h): >1-10 mg/l (OECD 201)
EC10 (Alga, 72 h): >0.1-1 mg/l (OECD 201)
Polyglycole - EC50 (Alga, 72h): >100 mg/l
Tolutriazole derivative - EC50 (Alga, 72h): 26.2 mg/l

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Persistence and degradability: No information available.

Biodegradation

Specified substance(s)

Fatty alcohol, ethoxylated - >60% (28d, OECD 301B) Readily biodegradable

Fatty alcohol alkoxylate - 82% (28d, OECD 301F) Readily biodegradable

Polyglycole - >60% (28d, OECD 301F) Readily biodegradable

Tolutriazole derivative - 70% (28d) Readily biodegradable

Bioaccumulative potential: No information available.

Specified substance(s)

Fatty alcohol, ethoxylated - Bioconcentration Factor (BCF): 13-68 Potential to bioaccumulate is low

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:

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 (AIC).

NZ EPA Status: Not all components of this product are listed on or exempt from the New Zealand Inventory of Chemical (NZIoC).

16. OTHER INFORMATION

Reason for issue: Revised

This information was prepared in good faith from the best information available at the time of issue. It is based on

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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.