

# ENVIROKLEEN SOLUTIONS PTY LTD

ABN: 59 102 772 878 ACN: 102 775 878  
P.O. BOX 3035, NORTH MACKAY QLD. 4740  
10 DAVID MUIR ST., SLADE POINT, QLD. 4740  
TELEPHONE: 07 49554149 FAX: 07 49557881



## SAFETY DATA SHEET

### SECTION 1 – PRODUCT IDENTIFICATION

**Product Name:** Fuel Conditioner

**Recommended Use:** Fuel Conditioner

**Supplier Details:**

Distributor: ENVIROKLEEN SOLUTIONS Pty Ltd (22 102 772 216)  
Emergency Phone No: +617 4955 4611  
Regular Phone No: +617 4955 4611  
Address: 10 David Muir Street,  
Slade Point, Mackay  
QLD 4740

### SECTION 2 – HAZARDS IDENTIFICATION

Currently classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail; **DANGEROUS GOODS.**

This product is classified as hazardous according to Worksafe Australia; **HAZARDOUS SUBSTANCE.**

**Classification of the substance or mixture**

Eye Damage - Category 2  
Acute Aquatic Toxicity - Category 1  
Chronic Aquatic Toxicity - Category 3

**SIGNAL WORD:** Danger



**Hazard Statement(s):**

H319 Causes serious eye irritation.  
H412 Harmful to aquatic life with long lasting effects.  
H400 Very toxic to aquatic life.

**Precautionary Statement(s)**

**Prevention**

P264 Wash with plenty of water and soap thoroughly after handling.  
P273 Avoid release to the environment.  
P280 Wear protective gloves / protective clothing / eye protection / face protection.

**Response**

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P391 Collect spillage.  
P337+P313 If eye irritation persists: Get medical advice/attention.

**Storage**

No storage statements

**Disposal**

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

**Poisons Schedule (SUSMP)**

S5

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## SECTION 3 – COMPOSITION AND INFORMATION ON INGREDIENTS

MATERIAL/COMPONENT	CAS Number	Proportion
Alcohols, C13-15, branched and linear, ethoxylated	157627-86-6	>30<60%
2-(2-butoxyethoxy)ethanol	112-34-5	>30<60%
Ingredients not deemed hazardous		to 100%

## SECTION 4 – FIRST AID MEASURES

**For advice, contact a Poisons Information Centre (Phone e.g. Australia 131 126; New Zealand 0 800 764766) or a doctor.**

**Inhalation:**

Remove victim from area of 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 contact occurs, remove contaminated clothing and wash skin with soap and water. If irritation occurs, seek medical advice.

**Eye Contact:**

If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre or a doctor, or for at least 15 minutes.

**Ingestion:**

Rinse mouth with water. If swallowed, give a glass of water to drink. If vomiting occurs give further water. Seek medical advice.

**Indication of immediate medical attention and special treatment needed:**

Treat symptomatically.

## SECTION 5 – FIRE FIGHTING MEASURES

**Suitable Extinguishing Media:**

Fine water spray, normal foam, dry agent (carbon dioxide, dry chemical powder).

**Special protective equipment and precautions for fire-fighters:**

On burning will emit toxic fumes, including those of oxides of carbon. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion. Keep containers cool with water spray.

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

**Emergency procedures/Environmental precautions:**

Clear area of all unprotected personnel. If contamination of sewers or waterways has occurred advise local emergency service. Dispose of according to Local Authority Regulations.

**Personal precautions/Protective equipment/Methods and materials for containment and cleaning up:**

Clear area of all unprotected personnel. Slippery when spilt. Avoid accidents, clean up immediately. Personnel involved in the clean up should wear full protective clothing as listed in section 8. 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. Wash area down with excess water. If contamination of sewers or waterways has occurred advise local emergency services.

## SECTION 7 – HANDLING AND STORAGE

This material is a Scheduled Poison S5 and must be stored, maintained and used in accordance with the relevant regulations.

**Precautions for safe handling:**

Clear area of all unprotected personnel. Avoid skin and eye contact and breathing in vapour. Keep out of reach of children. If contamination of sewers or waterways has occurred advise local emergency services.

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

Store in a cool, dry, well ventilated place. Store away from incompatible materials described in Section 10. Store away from foodstuffs. Keep containers closed when not in use – check regularly for leaks.

## SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure Control Measures:**

No value assigned for this specific material by the National Occupational Health and Safety Commission. However,

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Exposure Standard(s) for constituent(s):

2-Butoxyethanol: 8hr TWA = 96.9 mg/m<sup>3</sup> (20 ppm), 15 min STEL = 242 mg/m<sup>3</sup> (50 ppm), Sk as published by the National Occupational Health and Safety Commission.

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

'Sk' (skin) Notice - absorption through the skin may be a significant source of exposure. The exposure standard is invalidated if such contact should occur.

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.

## Engineering Controls:

Ensure ventilation is adequate and that air concentrations of components are controlled below quoted Workplace Exposure Standards. Vapour heavier than air - prevent concentration in hollows or sumps. DO NOT enter confined spaces where vapour may have collected. Keep containers closed when not in use.

If in the handling and application of this material, safe exposure levels could be exceeded, the use of engineering controls such as local exhaust ventilation must be considered and the results documented. If achieving safe exposure levels does not require engineering controls, then a detailed and documented risk assessment using the relevant Personal Protective Equipment (PPE) (refer to PPE section below) as a basis must be carried out to determine the minimum PPE requirements.

## Individual Protection Measures, for example Personal Protective Equipment (PPE):

The selection of PPE is dependent on a detailed risk assessment. The risk assessment should consider the work situation, the physical form of the chemical, the handling methods, and environmental factors.

OVERALLS, SAFETY SHOES, CHEMICAL GOGGLES, GLOVES, RESPIRATOR.

Wear overalls, chemical goggles and impervious gloves. Use with adequate ventilation. If determined by a risk assessment an inhalation risk exists, wear an organic vapour/particulate respirator or an air supplied mask meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use.

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point (C):	Not determined	Volatiles:
Melting Point(C):	Not determined	Press@20C mm Hg:Not available
Specific Gravity:	0.94-0.95	VAP Density: Not available
Sol In Water (g/l):	Not determined	pH at Use Dilution: 8.0-9.0
Appearance:	liquid	pH: 8.0-9.0
Evaporation Rate (nButyl Acetate=1)	Not applicable	

## SECTION 10 – STABILITY AND REACTIVITY

### Chemical stability:

Stable under normal conditions of use.

### Possibility of hazardous reactions:

Contact with aluminium or alloys containing aluminium may result in alcoholate formation with subsequent evolution of hydrogen.

### Conditions to avoid:

Excessive heat will lead to accelerated oxidative degradation. Avoid atmospheric moisture.

### Incompatible materials:

Incompatible with aluminium /alloys, copper/alloys, neoprene, natural rubber, oxidising agents, acids and alkalis.

### Hazardous decomposition products:

Oxides of carbon.

## SECTION 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:

### HEALTH EFFECTS

Ingestion: Swallowing can result in nausea, vomiting and central nervous system depression. If the victim is showing signs of central system depression (like those of drunkenness) there is greater likelihood of the patient breathing in vomit and causing damage to the lungs.

Eye contact: An eye irritant.

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**Skin contact:** Contact with skin may result in irritation. Will have a degreasing action on the skin. Repeated or prolonged skin contact may lead to irritant contact dermatitis.

**Inhalation:** Breathing in mists or aerosols may produce respiratory irritation.

**Long Term Effects:**

Repeated or prolonged skin contact may lead to drying and cracking of the skin.

**Toxicological Data:**

No LD50 data available for the product. For constituent, 2-(2-butoxyethoxy)ethanol:

Oral LD50 (rat): 3305 mg/kg

Oral LD50 (mice): 2410 mg/kg

Dermal LD50 (rabbit): 2764 mg/kg

## SECTION 12 – ECOLOGICAL INFORMATION

**Ecotoxicity:**

Avoid contaminating waterways

**Aquatic toxicity:** Very toxic to aquatic organisms. May cause long lasting harmful effects to aquatic life.

## SECTION 13 – DISPOSAL CONSIDERATIONS

**Disposal Methods:**

Refer to Waste Management Authority. Dispose of contents/container in accordance with local/regional regulations

## SECTION 14 – TRANSPORT INFORMATION

**Marine Transport:**

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea; DANGEROUS GOODS

**Air Transport:**

Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air; DANGEROUS GOODS

**Road and Rail Transport:**

Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail; DANGEROUS GOODS

Environmentally Hazardous Substances meeting the descriptions of UN 3077 or 3082 are not subject to the provisions of the Australian Code for the Transport of Dangerous Goods by Road and Rail when transported by road or rail in packagings, IBC's, or any other receptacle not exceeding 500 kg(L).



**Proper Shipping Name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains FATTY ALCOHOL ETHOXYLATE)

**Class:** 9 Miscellaneous Dangerous Goods

**Subsidiary Risk(s):**

**UN Number:** 3082

**Hazchem:** 3Z

**Pack Group:** III

**Special Provision:**

## SECTION 15 – REGULATORY INFORMATION

**Classification:**

This material is hazardous according to Safe Work Australia; HAZARDOUS SUBSTANCE.

**Classification of the substance or mixture**

Eye Damage - Category 2

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## SECTION 16 –OTHER INFORMATION

Material Safety Data Sheets are current for a maximum of five years but may be updated more frequently. Please ensure that you have a current copy.

All information contained in this Data Sheet is as accurate and up-to-date as possible. Since ENVIROKLEEN SOLUTIONS and its subsidiary companies cannot anticipate or control the conditions under which this information may be used, each user should review the information in the specific context of the intended application. ENVIROKLEEN SOLUTIONS and its subsidiary companies will not be responsible for damages of any nature resulting from use of or reliance upon the information. No expressed or implied warranties are given other than those implied mandatorily by Commonwealth, State or Territory legislation.

PREPARED BY: Malcolm Swanney BSc Chem.

Date: 15/05/2018