

# 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

PRODUCT: ENVIROKLEEN SAFE DEGREEZ

### SECTION 1 – PRODUCT IDENTIFICATION

Trade Name: ENVIROKLEEN SAFE DEGREEZ

Distributor: Envirokleen Solutions Pty Ltd  
Emergency Phone No: (07) 4955 4149  
Regular Phone No: (07) 4955 4149  
Address: 10 David Muir Street  
Slade Point  
Qld

### SECTION 2 – HAZARDS IDENTIFICATION

HAZARDOUS ACCORDING TO THE CRITERIA OF THE GLOBALLY HARMONISED SYSTEM OF CLASSIFICATION AND LABELLING OF CHEMICALS (GHS) AND SAFE WORK AUSTRALIA

NON-DANGEROUS GOODS ACCORDING TO THE AUSTRALIAN CODE FOR THE TRANSPORT OF DANGEROUS GOODS BY ROAD AND RAIL (UN 1999)

Classification of the substance or mixture  
GHS classifications

Aspiration Hazard: Category 1  
Flammable Liquid: Category 4

Label elements

Signal word  
DANGER

Pictograms



Hazard Statement(s)

H227 Combustible liquid  
H304 May be fatal if swallowed and enters airways.

Prevention Statement(s)

P101 If medical advice is needed, have product container or label at hand  
P102 Keep out of reach of children  
P103 Read label before use  
P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.  
P280 Wear protective gloves/eye protection/face protection.

Response Statement(s)

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician  
P331 Do NOT induce vomiting  
P370 + P378 In case of fire: Use foam/water spray/fog for extinction  
P391 Collect spillage

Storage Statement(s)

P403 + P235 Store in a well-ventilated place. Keep cool.  
P405 Store locked up.

Disposal Statement(s)

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

Poisons Schedule (SUSMP)

Schedule 5.

### SECTION 3 – COMPOSITION AND INFORMATION ON INGREDIENTS

Kerosene (petroleum); Straight run kerosene >60% 8008-20-6

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## 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.

### EMERGENCY AND FIRST AID PROCEDURES

Swallowed: If swallowed, do NOT induce vomiting. Transport to nearest medical facility for additional treatment. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.

Eye: If in eyes, hold eyes open, flood with water for at least 15 minutes. If symptoms persist transport to nearest medical facility for additional treatment.

Skin: If skin contact occurs, remove contaminated clothing and wash skin thoroughly with water and follow by washing with soap if available.

Inhalation: Remove victim from exposure if safe to do so. If rapid recovery does not occur, transport to nearest medical facility for additional treatment. Remove contaminated clothing.

First Aid Facilities: Ensure an eye bath and safety shower are available and ready for use.

### Symptoms caused by exposure

Inhalation: May cause respiratory irritation, dizziness, nausea or unconsciousness.

Skin: May include itching and redness.

Eye: May include burning sensation, redness, swelling and/or blurred vision.

Ingestion: May cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

Medical attention and special treatment: Treat symptomatically.

## SECTION 5 – FIRE FIGHTING MEASURES

### Suitable extinguishing equipment

Foam, water spray or fog, dry chemical powder or carbon dioxide. Do not use water in a jet.

### Specific hazards arising from the chemical

Carbon monoxide may be evolved if incomplete combustion occurs. Will float and can be reignited on surface water. Vapour is heavier than air, can spread along ground and distant ignition is possible.

### Special protective equipment and precautions for fire fighters

Wear full protective clothing and self-contained breathing apparatus.

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

Avoid contact with spilled or released material. Shut off leaks, if possible without personal risks. Isolate hazard area and deny entry to unnecessary or unprotected personnel. Remove all sources of ignition in the surrounding area. Take precautionary measure against static discharge. Ensure electrical continuity by bonding and earthing all equipment.

### Environmental precautions

Use appropriate containment to avoid environmental contamination. Prevent from spreading and entering waterway using sand, earth or other appropriate barriers. Attempt to disperse the vapour or to direct its flow to a safe location for example by using fog sprays. Ventilate contaminated area thoroughly.

### Methods and materials for containment and cleaning up

For small spills (< 1 drum), transfer by mechanical means to a labelled, sealable container for product recovery or safe disposal. Allow any residues to evaporate or use an appropriate absorbent material and dispose of safely.

For larger spills (> 1 drum), transfer by means such as a vacuum truck to a salvage tank for recovery or disposal. Do not flush residues with water. Retain as contaminated waste. Allow any residues to evaporate or use an appropriate absorbent material and dispose of safely.

## SECTION 7 HANDLING AND STORAGE

### Precautions for safe handling

Combustible product. Avoid breathing vapours. Handle and open containers with care in a well-ventilated area. Ensure that the workplace is ventilated such that the Occupational Exposure limit is not exceeded. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. Do not eat, drink or smoke in contaminated areas. Electrostatic charges may be generated during transfer. Electrostatic discharge may cause fire. Ensure electrical continuity by earthing all equipment.

### Conditions for safe storage, including any incompatibilities

Store in a well-ventilated area, away from sunlight, ignition sources and other sources of heat. Do not store near strong oxidants.

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## SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure control measures

In the absence of data from National Occupational Health & Safety Commission (NOHSC) Worksafe Australia use - Mineral Spirits 175-220 HSPA: 350mg/m<sup>3</sup> TWA (8hr)

### Biological monitoring

No biological limit allocated.

### Engineering controls

Ensure that adequate ventilation is provided. Maintain air concentrations below recommended exposure standards. Avoid generating and inhaling mists and vapours. Keep containers closed when not in use.

### Individual protection measures

**Eye and face protection:** Wear safety goggles.

**Skin protection:** Use solvent resistant gloves, nitrile for longer term protection or PVC and neoprene for incidental splashes.

**Respiratory protection:** If work practices do not maintain airborne level below the exposure standard, use appropriate respiratory protection equipment. When using respirators, select an appropriate combination of mask and filter. Select a filter for organic gases and vapours (boiling point > 65°C). Respirators should comply with AS1716 or an equivalent approved by a state/territory authority.

Thermal hazards: Not applicable.

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Colourless liquid
Odour:	Mild odour
Odour threshold (ppm):	Data not available
pH:	Data not available
Melting point/freezing point (°C):	Data not available
Initial boiling point and boiling range (°C):	175 - 340
Flash point (°C):	>65
Evaporation rate (Butyl acetate = 1):	Data not available
Flammability:	Combustible
Upper/lower flammability or explosive limits (%):	0.6 - 7.0
Vapour pressure (kPa):	Data not available
Vapour density (air = 1):	> 1
Density (g/ml @ 15°C):	0.79 - 0.81
Solubility (kg/m <sup>3</sup> ):	Negligible
Partition coefficient: n-octanol/water:	Data not available
Auto-ignition temperature (°C):	Typical >280 (ASTM E-659)
Decomposition temperature (°C):	Data not available
Kinematic viscosity (mm <sup>2</sup> /s @ 20°C):	Data not available

## SECTION 10 – STABILITY AND REACTIVITY DATA

### Reactivity

Stable under normal conditions of use.

### Chemical stability

Stable under normal conditions of use.

### Possibility of hazardous reactions

Stable under normal conditions of use.

### Conditions to avoid

Avoid heat, sparks, open flames and other ignition sources.

### Incompatible materials

Strong acids, strong oxidisers, halogens and alkalis..

### Hazardous decomposition products

Thermal decomposition is highly dependent on conditions. A complex mixture of airborne solids, liquids, gases, including carbon monoxide, carbon dioxide and other organic compounds will be evolved when this material undergoes combustion or thermal or oxidative degradation.

## 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:

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**Acute toxicity:** Expected to be of low toxicity.

**Skin corrosion/irritation:** Prolonged contact may cause defatting of skin which can lead to dermatitis.

**Serious eye damage/irritation:** Not expected to be irritating to eyes.

**Respiratory or skin sensitisation:** Not expected to be a sensitiser.

**Germ cell mutagenicity:** Not expected to be mutagenic.

**Carcinogenicity:** Not expected to be carcinogenic.

**Reproductive toxicity:** Not expected to impair reproduction.

**Specific Target Organ Toxicity (STOT) – single exposure:** Data not available

**Specific Target Organ Toxicity (STOT) – repeated exposure:** Data not available

**Aspiration hazard:** Aspiration into the lungs when swallowed or vomited may cause chemical pneumonitis which can be fatal.

## SECTION 12 - ECOLOGICAL INFORMATION

### Ecotoxicity

#### Acute toxicity:

Fish – Data not available

Aquatic invertebrate – Data not available

Algae – Data not available

Microorganisms – Data not available

#### Chronic toxicity:

Fish – Data not available

Aquatic invertebrate – Data not available

Algae – Data not available

Microorganisms – Data not available

#### Persistence and degradability

Readily biodegradable. Degrades rapidly in air by photo-chemical means.

#### Bioaccumulative potential

Not expected to bioaccumulate.

#### Mobility in soil

Floats on water. Adsorbs to soil and has low mobility.

#### Other adverse effects

Data not available.

#### Other adverse effects

Data not available.

## SECTION 13 - DISPOSAL CONSIDERATIONS

Dispose of material according to Local Authority Regulations or through a licensed waste contractor.

## SECTION 14 TRANSPORT INFORMATION

UN number: Not applicable

Proper shipping name: Not applicable

Australian Dangerous Goods class: Not applicable

Australian Dangerous Goods packing group: Not applicable

Hazchem code: Not applicable

## SECTION 15 REGULATORY INFORMATION

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP), Poisons Schedule: 5

Australian Inventory of Chemical Substances (AICS): Listed

Dangerous Goods Initial Emergency Response Guide (SAA/SNZ HB76): Not applicable

## SECTION 16 OTHER INFORMATION

### Abbreviations

**ACGIH** - American Conference of Industrial Hygienists.

**ADG** - Australian Dangerous Goods.

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**ASCC** - Australian Safety and Compensation Council  
**atm** Atmosphere  
**BEI** - Biological Exposure Index/Indices.  
**CAS** Chemical Abstracts Service (Registry Number)  
**cm<sup>2</sup>** Square Centimetres  
**CNS** - Central Nervous System.  
**CO<sub>2</sub>** Carbon Dioxide  
**COD** Chemical Oxygen Demand  
**deg C C** Degrees Celsius  
**deg F F** Degrees Fahrenheit  
**EC No** - European Community Number.  
**EPA** (New Zealand) Environmental Protection Authority of New Zealand  
**g** Grams  
**g/cm<sup>3</sup>** Grams per Cubic Centimetre  
**g/l** Grams per Litre  
**HSNO** Hazardous Substance and New Organism  
**IARC** - International Agency for Research on Cancer.  
**IDLH** Immediately Dangerous to Life and Health  
**Immiscible Liquids** are insoluble in each other.  
**inHg** Inch of Mercury  
**inH<sub>2</sub>O** Inch of Water  
**K** Kelvin  
**kg** Kilogram  
**kg/m<sup>3</sup>** Kilograms per Cubic Metre  
**lb** Pound  
**LC<sub>50</sub>** LC stands for lethal concentration. LC<sub>50</sub> is the concentration of a material in air which causes the death of 50% (one half) of a group of test animals. The material is inhaled over a set period of time, usually 1 or 4 hours.  
**LD<sub>50</sub>** LD stands for Lethal Dose. LD<sub>50</sub> is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.  
**ltr** or L Litre  
**m<sup>3</sup>** Cubic Metre  
**mbar** Millibar  
**mg** Milligram  
**mg/24H** Milligrams per 24 Hours  
**mg/kg** Milligrams per Kilogram  
**mg/m<sup>3</sup>** Milligrams per Cubic Metre  
**Misc** or **Miscible** Liquids form one homogeneous liquid phase regardless of the amount of either component present.  
**mm** Millimetre  
**mmH<sub>2</sub>O** Millimetres of Water  
**mPa.s** Millipascals per Second  
**N/A** Not Applicable  
**NIOSH** National Institute for Occupational Safety and Health  
**NOHSC** National Occupational Health and Safety Commission  
**NOS** Not Otherwise Specified.  
**OECD** Organisation for Economic Co-operation and Development  
**Oz** Ounce  
**PEL** Permissible Exposure Limit  
**Pa** Pascal  
**pH** - relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline).  
**ppb** Parts per Billion  
**ppm** Parts per Million  
**ppm/2h** Parts per Million per 2 Hours  
**ppm/6h** Parts per Million per 6 Hours  
**psi** Pounds per Square Inch  
**R** Rankine  
**RCP** Reciprocal Calculation Procedure  
**RTECS** - Registry of Toxic Effects of Chemical Substances.  
**STEL** Short Term Exposure Limit  
**STOT-RE** Specific target organ toxicity (repeated exposure)  
**STOT-SE** Specific target organ toxicity (single exposure)  
**SWA** - Safe Work Australia.  
**TLV** Threshold Limit Value  
**tne** Tonne  
**TWA** Time Weighted Average  
**ug/24H** Micrograms per 24 Hours  
**UN** United Nations  
**wt** Weight

Prepared by: Malcolm Swanney BSc Chem.

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