



# SAFETY DATA SHEET

## SECTION 1 IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

<b>Product Identifier</b>	<b>BITE SHIELD CITRONELLA TORCH AND LAMP OIL PLUS BIFENTHRIN</b>
<b>Other Names</b>	Lamp oil
<b>Manufacturer's Product Code</b>	17071
<b>Recommended Use</b>	Garden lamp oil

### Details of Manufacturer

Company:	Recochem Inc. ABN: 69 010 485 999
Address:	1809 Lytton Road, Lytton, Queensland 4178
Phone:	(07) 3308 5200 Fax: (07) 3308 5201
Website:	www.recochem.com.au

### Details of Supplier

Company:	Mayo Hardware
Address:	20, Rockridge Avenue, Penrose, Auckland 1061.
Phone:	(09) 415 6240

### Emergency Telephone Numbers

Poisons Information:	0800 764 766
Police, Fire, Ambulance:	111

## SECTION 2 HAZARDS IDENTIFICATION

<b>Hazardous chemical</b>	<i>according to classification by Safe Work Australia</i>
<b>Non-dangerous goods</b>	<i>according to the Australian Code for the Transport of Dangerous Goods by Road and Rail</i>

<b>Signal Word</b>	<b>DANGER</b>
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GHS Classification	Pictogram	Hazard statement
Flammable Liquids, Category 4	N/A	H227 Combustible liquid
Aspiration Hazard, Category 1	 HEALTH HAZARD	H304 May be fatal if swallowed and enters airways

**Product: BITE SHIELD CITRONELLA TORCH AND LAMP OIL PLUS BIFENTHRIN**

Acute Aquatic Toxicity, Category 3	N/A	H412 Harmful to aquatic life with long lasting effects
Chronic Aquatic Toxicity, Category 3		

**Precautionary statements:**

<b>GENERAL</b>	
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
<b>PREVENTATIVE</b>	
P210	Keep away from heat/sparks/open flames/hot surfaces. - No smoking
P273	Avoid release to the environment
P280	Wear protective gloves/eye protection/face protection
<b>RESPONSE</b>	
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
<b>STORAGE</b>	
P403 + P235	Store in a well-ventilated place. Keep cool
P405	Store locked up
<b>DISPOSAL</b>	
P501	Dispose of contents/container in accordance with local regulations

**SECTION 3 COMPOSITION AND INFORMATION ON INGREDIENTS****Ingredients Names and Proportions**

Chemical Entity	CAS Number	Proportion (%)
Kerosine (petroleum); Straight run kerosine	8008-20-6	< 98
Citronella Oil	8000-29-1	< 2
Bifenthrin	82657-04-3	< 1

**SECTION 4 FIRST AID MEASURES****Description of necessary first aid measures**

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

**Product: BITE SHIELD CITRONELLA TORCH AND LAMP OIL PLUS BIFENTHRIN**

**Symptoms caused by exposure**

Inhalation:	May cause respiratory irritation, dizziness, nausea or unconsciousness.
Skin:	May include itching and redness.
Eye:	May include burning and temporary redness.
Ingestion:	May cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

**Medical attention and special treatment**

Treat symptomatically.

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**SECTION 5 FIRE FIGHTING MEASURES**

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**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**

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.

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**SECTION 6 ACCIDENTAL RELEASE MEASURES**

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**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.

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**SECTION 7 HANDLING AND STORAGE**

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**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 AND PERSONAL PROTECTION**

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**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.

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**SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

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Appearance:	Clear red liquid
Odour:	Citrus
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 @ 20°C):	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 > 200

**Product: BITE SHIELD CITRONELLA TORCH AND LAMP OIL PLUS BIFENTHRIN**

Decomposition temperature (°C):	Data not available
Kinematic viscosity (mm <sup>2</sup> /s @ 40°C):	Data not available

**SECTION 10 STABILITY AND REACTIVITY****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, sulphur oxides and other organic compounds will be evolved when this material undergoes combustion or thermal or oxidative degradation.

**SECTION 11 TOXICOLOGICAL INFORMATION**

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

**Product: BITE SHIELD CITRONELLA TORCH AND LAMP OIL PLUS BIFENTHRIN**

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.

**SECTION 13 DISPOSAL CONSIDERATIONS**

Ensure waste disposal conforms to local waste disposal regulations.

**SECTION 14 TRANSPORT INFORMATION**

<b>UN number:</b>	Not applicable
<b>Proper shipping name:</b>	Not applicable
<b>Australian Dangerous Goods class:</b>	Not applicable
<b>Australian Dangerous Goods packing group:</b>	Not applicable
<b>Hazchem code:</b>	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
New Zealand HSNO:	HSR002574 - Food Additives and Fragrance Materials (Combustible) Group Standard Classification - 3.1D, 6.1E, 6.3B, 9.1C, 9.3C

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**SECTION 16 OTHER INFORMATION**

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Date of preparation:	24/11/2023
Revision number:	3
Changes in this revision:	Address Change

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This SDS summarises product safety information at the date of issue, to the best of our knowledge, as a general guide. Recochem cannot anticipate or control the conditions under which the product is used, so prior to usage each user must assess and control the risks associated with their use of the product. Users should also consult the relevant legislation governing the use and storage of this product. We make no warranties, express or implied, and assume no liability in connection with any use of information contained within this document. If clarification or further information is needed, the user should contact Recochem on (07) 3308 5200.

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