SAFETY DATA SHEET

Product:	NoBites Personal Insect Repellent Pump Spray	**Date Prepared:** 29 November 2018
Company:	Australian Outdoor Lifestyle Pty Ltd	**Replaces**: New

1 Product Identifier & Identity for the Chemical

Product Name: NoBites Personal Insect Repellent Pump Spray
Other Names: None
Uses: Personal insect repellent
Supplier
Name: Australian Outdoor Lifestyle Pty Ltd
Address: 11/30 Taylor Place
Mackenzie
Australia

Telephone: 1800 667 784

2 Hazards Identification

Users of the product should refer to the APVMA approved label on the container for advice in relation to use and handling of the product.

The hazard information contained in this SDS is for people handling the product and its ingredients in the manufacturing environment.

Hazard Class and Category:

Flammable Liquid – Category 2
Eye Irritant – Category 2A
Specific Target Organ Toxicity (single exposure) – Category 3

Signal Word:

Danger



Hazard Statements:

H225 Highly flammable liquid and vapour
H319 Causes serious eye irritation
H336 May cause drowsiness or dizziness

Precautionary Statements:

<u>Prevention</u>

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233: Keep container tightly closed.
P240: Ground/bond container and receiving equipment.
P241: Use explosion-proof electrical/ventilating/lighting equipment.
P242: Use only non-sparking tools.
P243: Take precautionary measures against static discharge.
P261: Avoid breathing fumes/vapours/spray.
P264: Wash exposed skin thoroughly after handling.
P271: Use only outdoors or in a well-ventilated area.

P280: Wear protective eye /face protection.

Response

P303+361+353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.
P304+340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.
P312: Call a POISON CENTER or doctor if you feel unwell.
P337+313: If eye irritation persists get medical advice/attention.
P370+378: In case of fire: Use water spray, alsohol resistant foam, CO_2 or dry chemical to extinguish.

Storage

P403+233: Store in a well-ventilated place. Keep container tightly closed.
P235: Keep cool.
P405: Store locked up.

Disposal

P501: Dispose of contents/containers in accordance with local regulations.

3 Composition / Information on Ingredients

Identity (Other Names)	CAS Number	Proportion (w/w)
Oil of Lemon Eucalyptus (hydrated, cyclized)	1245629-80-4	40%
Ethanol	64-17-5	10 - 30%
Isopropanol	67-63-0	10 - 30%

4 First Aid Measures

First Aid

- **Swallowed:** Rinse mouth with water. Immediately after ingestion: give lots of water to drink. Do not induce vomiting. Give activated charcoal. Call Poison Information Centre. Consult a doctor/medical service if you feel unwell. If large quantities ingested: immediately take to hospital hospital.
- **In Eye:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. If eye irritation persists, get medical advice/attention.

- **On Skin:** Take off immediately all contaminated clothing. Rinse skin with water/ shower. Call a POISON CENTER or doctor if you feel unwell.
- **Inhaled:** Remove person to fresh air and keep comfortable for breathing.

Advice to Doctor Inb case of ingestion of large quantities: gastric lavage. Treat symptomatically. Symptoms may be delayed.

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone 13 11 26.

5 Fire Fighting Measures

Flammability:	Flammable
Extinguishing Media:	CO_2, dry chemical, dry sand, alcohol-resistant foam. Cool closed containers exposed to fire with water spray.
Hazardous Combustion Products:	Carbon monoxide (CO), Carbon dioxide (CO_2), peroxides.
Precautions for Fire Fighters:	As in any fire, wear self-contained breathing apparatus (SCBA) and full protective gear. Thermal decomposition can lead to release of irritating gases and vapors.
Hazchem Code:	2Y

6 Accidental Release Measures

Emergency Procedures:

Large spills/leaks: Prevent spill entering waterways or drains. Eliminate sources of ignition. Stop leak if safe to do so.

Small spills/leaks: Keep sources of ignition away. Mop up or collect spill by covering with absorbant material and collecting into containers for disposal.

Containment of Spill:

Cover spill with earth, soil or other absorbant, non-combustible material. Use clean, non-sparking tools to collect material and place into loosely covered metal or plastic containers for disposal.

7 Handling and Storage

Precautions for Safe Handling:

Keep away from eyes. Avoid breathing vapours. Other specific precautions not normally required.

Read product label before using.

Conditions for Safe Storage:

Store in a cool, ventilated area away from sources of ignition and out of reach of children.

8 Exposure Controls / Personal Protection

Exposure Standards:

	TWA		STEL		
	ppm	**mg/m³**	**ppm**	**mg/m³**	
Ethyl alcohol:	1000	1880			Safe Work Australia
Isopropyl alcohol:	400	983	500	1230	Safe Work Australia

Engineering Controls:

No specific controls required during use.

In manufacturing environment:

- If ventilation is limited provide force-air ventilation.
- Isolate sources of ignition.

Personal Protective Equipment:

Respiratory Protection:

Not required in use.

In manufacturing environment use respiratory protection suitable for organic vapours.

Eye and Face Protection:

Product is irritating to eyes. Avoid contact with eyes.

In manufacturing environment wear chemical resistance goggles or face-shield.

Skin and Body Protection:

Not normally required.

9 Physical and Chemical Properties

Appearance:	Clear, straw coloured liquid
Odour	Characteristic. Citrus.
pH:	Neutral (approximately 7)
Viscosity	Not determined

10 Stability and Reactivity

Chemical Stability:

Stable under normal conditions.

Conditions to Avoid:

Sources of heat and ignition.

11 Toxicological Information

Acute Toxicity:

Oral:

Low toxicity.

Inhalation:

Low toxicity. Vapours may cause dizziness or drowsiness.

Dermal:

Low toxicity

Skin Corrosion/Irritation:

Tests with a similar formulation indicate the product is not irritating to skin.

Eye Damage/Irritation:

Causes serious eye irritation

Sensitisation:

Not considered to be a skin sensitiser

Carcinogenicity:

Product is not classified as carcinogenic although product contains ethanol which has been classified as carcinogenic to humans (Group 1) when consumed in the form of alcoholic beverages

Target Organ Toxicity:

None. Vapours may cause dizziness or drowsiness.

12 Ecological Information

Ecotoxicity:

Use of the product is not expected to result in adverse effects in the environment.

Persistence and Degradability:

Not expected to persist in the environment.

13 Disposal Considerations

Disposal Methods:

Dispose of the product in normal household waste.

For large quantities dispose of in accordance with local regulations.

14 Transport Information

UN Number:	1993
Proper Shipping Name:	Flammable Liquid, N.O.S. (contains ethanol and isopropanol)
Class (Subsidiary Risk):	3
Packing Group:	III
Special Precautions for User:	None
Hazchem Code:	2Y

15 Regulatory Information

Poison Scheduling:	Not Scheduled
Registration/Notification:	APVMA Approval No. 86299

16 Other Information

Date Prepared:	7 December 2018
Replaces:	New

Glossary
ACGIH - American Conference of Governmental and Industrial Hygienists.
ASCC - Australian Safety and Compensation Commission.
BCF - Bioconcentration Factor - ability to accumulate a chemical in an organism to levels greater than in the surrounding medium. Calculated by dividing the concentration of a chemical in an organism by the concentration in the surrounding medium.
EC_{50} - median effective concentration. The concentration of a substance that courses a specified response/effect in an organism or population.
Explosive Limits - The range of concentrations (% by volume in air) of a flammable gas or vapour that can result in an explosion in a confined space.
K_{oc} - the organic carbon partition coefficient (mL soil water /g organic carbon)**.**
LC_{50} - Lethal Concentration 50%. The concentration of a substance that kills 50% of a target population.
LD_{50} - Lethal Dose-50%. The dose of a substance that kills 50% of a target population.
NOAEL – The highest dose or concentration of a substance used in a test/study that does not produce any observable adverse effects in the target organism.
NOEL – The highest dose call concentration of a substance used in a test/study that does not produce any observable effects in the target organism.
pH - Measure of how acidic or alkaline a material is using a 1 - 14 scale. pH 1 is strongly acidic and pH 14 strongly alkaline.
Polymerisation - a chemical reaction in which molecules (monomers) combine to form larger molecules (polymers). A hazardous polymerisation reaction is one that occurs at a fast rate and releases large amounts of energy.
P_{ow} - The octanol-water partition coefficient. The ratio of the concentration of octanol and in water at equilibrium and at a specified temperature used in environmental studies to indicate fate of chemicals and the environment.
STEL - Short-Term Exposure Limit. The maximum concentration of a substance that workers can be exposed to for periods up to 15 minutes without adverse effects e.g. irritation, tissue damage, narcosis (drowsiness or unconsciousness).
SWA – Safe Work Australia.
TWA - Time Weighted Average. The time weighted average concentration of a substance that most workers may be repeatedly exposed to over a 8-hour or 40-hour week without adverse effect.

References
Prepared using data supplied by manufacturer and public databases.
Hazard classification conducted according to the Safe Work Australia Guidance on the Classification of Hazardous Chemicals under the WHS Regulations.

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