

Material Safety Data Sheet

Product: 40% Pump Spray

Date Prepared: 23 March 2012

Company: Juno Ltd

Replaces: New

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1 Identification

Product Name: Bushman Repellent – 40% Pump Spray

Other Names:

Manufacturer's

Product Code:

Uses: Personal Insect Repellent

Supplier

Name: Juno Ltd

Address: Unit A, 5th Floor
8-12 Gilman's Bazaar
Hong Kong

Telephone: (07) 4054 6020 (24 hours)

2 Hazards Identification

Classified as hazardous according to the criteria of NOHSC

Classified as Dangerous Goods according to the criteria published in the Australian Dangerous Goods Code.

Flammable; Harmful (Xn)

May cause irritation to skin in rare cases.

May cause irritation to the eyes.

WARNING - May be dangerous, particularly to children, if you use large amounts on the skin, clothes or bedding or on large areas of the body, especially if you keep using it for a long time.

Risk Phrases:

R11: Highly Flammable.

R22: Harmful if swallowed.

R36/38: Irritating to eyes and skin.

R52/53: Harmful to aquatic organism and may cause long-term adverse effects in the aquatic environment

Safety Phrases:

S2: Keep out of reach of children.

S7: Keep container tightly closed.

S16: Keep away from sources of ignition – No smoking.

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

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S61: Avoid release to the environment. Refer to special instructions (see sections 6 and 13).

3 Composition / Ingredients

<u>Identity (Other Names)</u>	<u>CAS Number</u>	<u>Proportion</u>
DEET (Diethyltoluamide)	134-62-3	40%
Ethanol	64-17-5	30-60%
Other ingredients not individually contributing to hazards	-	10-30%%

4 First Aid Measures

Swallowed: Give water to drink. Do NOT induce vomiting. Contact a doctor or Poisons Information Centre. Phone 13 11 26.

In Eye: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek prompt medical attention.

Removal of contact lenses after injury should only be done by trained personnel

On Skin: Intended for application to skin. Remove with soap and water if irritation occurs. Seek medical advice if irritation persists.

Inhaled: Remove to fresh air. If breathing difficulties are experienced, seek medical attention.

Advice to Doctor: Treat symptomatically

5 Fire Fighting Measures

Flashpoint: 13°C (ethanol)

Extinguishing Media: Foam, dry chemical, CO₂ or water spray

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Hazardous Combustion Products: Gases evolved in fire could include carbon monoxide, carbon dioxide and nitrous oxides.

Precautions for Fire Fighters: Normal fire-fighting procedures can be used. Avoid contamination with oxidising materials (e.g. pool chlorine).

Hazchem Code: 2Y

6 Accidental Release Measures

Emergency Procedures: Product is packaged in small containers. Large spills are unlikely.

Containment of Spill: In case of small spill, collect packaging, mop or wipe up, wrap packaging and material in paper and dispose of in garbage. Wash area with water and detergent.

In case of larger spill, cover with absorbent material. Shovel material into clean, dry, labelled containers and close lid. Do not allow material to enter waterways.

7 Handling and Storage

Precautions for Safe Handling: Product is designed for application to the skin. Avoid contact with eyes and plastic.

Conditions for Safe Storage: Store in original container and out of reach of children.

8 Exposure Controls / Personal Protection

Exposure Limits: Ethanol: TWA 1000 ppm / 1880 mg/m³ (Safe Work Australia).

Engineering Controls: None applicable. Normal ventilation is usually adequate.

Personal Protective Equipment: Not normally required. Product is intended for application to skin.

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9 Physical and Chemical Properties

Appearance: Clear liquid.
Odour: Neutral to light pleasant.
Flashpoint: 13°C (ethanol)

10 Stability and Reactivity

Chemical Stability: Stable under normal conditions.
Incompatible Materials: Oxidising or reducing agents, strong acids and strong alkalis.
Hazardous Decomposition Products: In fire, carbon monoxide, carbon dioxide and nitrogen oxides may be produced.

11 Toxicological Information

Acute

Swallowed: Estimated LD₅₀ > 4,000 mg/kg.
In Eyes: Irritant.
On Skin: No effects likely – in rare cases, may cause irritation.
Inhaled: None

Chronic

None known.

12 Ecological Information

Environmental Data: Based on information for the active, the product is classified as hazardous to aquatic life with long lasting effects.

13 Disposal Considerations

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Disposal Methods:

Small quantities can be disposed of in household garbage.

Large quantities should be disposed of in accordance with local regulations.

14 Transport Information

Bulk product classified as Dangerous Goods for transport purposes

UN Number: 1170

Proper Shipping Name: ETHANOL SOLUTION

Class (Subsidiary Risk): 3(II)

15 Regulatory Information

Poison Scheduling: S5

16 Other Information

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Prepared using data supplied by manufacturer and publicly available information sources including NOHSC and NIOSH.