

1. IDENTIFICATION

Product Identifier	MOOV Insect Repellent Spray; APVMA Approval No.56653/120mL/0805	
Other Means of Identification	Ethanol Solution	
Recommended Uses and Restrictions on Use	Insect repellent. Not to be applied to infants under 12 months of age unless on doctor's advice. Avoid eyes and lips.	
Supplier Details	Ego Pharmaceuticals Pty Ltd 21-31 Malcolm Road Braeside 3195 Victoria, Australia	
Emergency Phone Number	Ego Pharmaceuticals Pty Ltd	03 9586 8800
	Poisons Information Centre	131 126

2. HAZARDS IDENTIFICATION

Classification of the chemical	Serious eye damage / eye irritation - Category 1 Flammable liquids - Category 2	
Label Elements, including precautionary statements		
Pictogram		
Signal Word	DANGER	
Hazard Statement(s)	H318 Causes serious eye damage. H225 Highly flammable liquid and vapour.	
Precautionary Statement(s) - Prevention	P264 Wash hands thoroughly after handling. P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking. P233 Keep container tightly closed.	
Precautionary Statement(s) - Response	P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTRE or doctor. P370 + P378 In case of fire: Use powder, foam or carbon dioxide extinguishers for extinction.	
Precautionary Statement(s) - Storage	P403 + P235 Store in a well-ventilated place. Keep cool.	
Precautionary Statement(s) - Disposal	P501 Dispose of contents/container in accordance with local regulations.	
Other cautions & hazards that do not result in classification	Highly flammable. For external use only. Keep out of reach of children. Not to be applied to infants under 12 months of age unless on doctor's advice. Avoid eyes and lips. If irritation occurs, wash affected area and discontinue use. Store in closed original container in a cool, dry place. Not to be used for any purpose, or in any manner contrary to the pack label, unless authorised. Dispose of empty bottle in garbage. Store below 25°C. If poisoning occurs, contact a doctor or Poisons Information centre on 131126. Read label before use. If medical advice is needed, have product container or label at hand.	

3. INFORMATION ON INGREDIENTS

Ingredient name (AAN)	CAS Number
ETHANOL	64-17-5
DIISOPROPYLADIPATE	6938-94-9
MELALEUCA OIL	85085-48-9 / 8022-72-8 / 68647-73-4
TRIMETHYLPENTANEDIOL/ADIPIC ACID/GLYCERIN CROSSPOLYMER	282527-44-0
TOCOPHEROLS CONCENTRATE - MIXED (low-alpha type)	54-28-4 (gamma) / 16698-35-4 (beta) / 10191-41-0 (DL-) / 119-13-1 / 1406-18-4 / 1406-66-2 / 2074-53-5 (DL-) / 59-02-9 (D-) / 7616-22-0

4. FIRST AID MEASURES

Symptoms and First Aid Measures

Inhalation	Not applicable with normal use. If fumes or combustion products are inhaled, remove patient from contaminated area and seek medical advice
Skin Contact	This product is intended to be in contact with human skin. If irritation occurs, wash affected area and discontinue use
Eye Contact	Causes serious eye damage. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTRE or doctor.
Ingestion	This product contains an equivalent of 70%w/w ethanol. Give plenty of fluids. Seek medical advice

Medical Attention and Special Treatment

Seek medical advice. Treat symptomatically

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media	Powder, foam or carbon dioxide extinguishers are suitable
Physicochemical Hazards	Highly flammable. No significant fire hazard under normal circumstances. Contains ethanol. May be dangerous when exposed to heat. See Section 9 Physical and Chemical Properties.
Special Protective Equipment and Precautions for Fire Fighters	Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures	All personnel involved in the containment and disposal procedure should wear eye protection. In an event where there are high vapour concentrations, wear an approved organic vapour respirator. No smoking.
Environmental Precautions	Ventilate the area well and ensure the atmosphere is safe before personnel return to the work area. Please see below 'Methods and Materials for Containment and Clean Up'. If contamination of sewers or waterways has occurred, advise local emergency services.

Methods and Materials for Containment and Cleaning Up	In the event of a spill, eliminate all sources of ignition and take measures to prevent static discharge. No smoking. Stop and contain the spill by using an inert absorbent material (e.g. soil, sand). Dispose of the material by an approved method. Prevent run-off into drains and waterways. Use water spray to disperse vapour. Ensure that the surface (floor) is cleaned thoroughly with water and detergent as any product residue may leave the floor slippery. Ensure that the area is thoroughly ventilated.
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7. HANDLING AND STORAGE

Precautions for Safe Handling	No special requirements
Conditions for Safe Storage and Incompatibilities	This product is intended for human use. Store away from dangerous chemicals, naked flames, ignition sources or heat. Store below 25°C (for product integrity). Store in original containers. Keep out of reach of children. Must comply with any regulations for the transport of flammable goods.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters

Exposure Standards	No special requirements
Biological Monitoring	No special requirements
Engineering Controls	Store below 25°C and away from sources of ignition, sparks, static charge and flames.
Personal Protective Equipment	No special requirements

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	A clear to pale yellow solution
Odour	Characteristic of melaleuca oil and alcohol.
Odour Threshold	No data available
pH	Not applicable
Melting Point / Freezing Point (°C)	No data available
Boiling Point / Boiling Range (°C)	No data available
Flash Point (°C)	17°C (closed cup)
Evaporation Rate	No data available
Flammability	Highly flammable
Upper/Lower Flammability or Explosive Limits	No data available
Vapour Pressure	No data available
Vapour Density	No data available
Relative Density (g/ml)	Approximately 0.85
Solubility	No data available
Partition Coefficient (n-octanol/water)	No data available
Auto-ignition Temperature (°C)	No data available
Decomposition Temperature (°C)	No data available
Kinematic Viscosity (cSt)	No data available

10. STABILITY AND REACTIVITY

Reactivity and Chemical Stability Stable under the recommended storage conditions

Possibility of Hazardous Reactions	This product is highly flammable
Conditions to Avoid	Temperatures above 25°C, dangerous chemicals, naked flames, ignition sources or heat in storage
Incompatible Materials	Strong oxidisers
Hazardous Decomposition Products	Burning can product carbon monoxide and/or carbon dioxide gas

11. TOXICOLOGICAL INFORMATION

Acute Toxicity	No data available
Skin Corrosion / Irritation / Sensitisation	Non-irritant and non-sensitiser
Serious Eye Damage / Irritation	Causes serious eye damage. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTRE or doctor.
Respiratory Sensitisation	No data available. Seek medical advice
Germ Cell Mutagenicity	No data available
Carcinogenicity	No data available
Reproductive Toxicity	No data available
Specific Target Organ Systemic Toxicity (STOST) - Single Exposure	No data available
Specific Target Organ Systemic Toxicity (STOST) - Repeated Exposure	No data available
Aspiration Hazard	No data available

Routes of Exposure

Swallowed	Accidental swallowing can cause drunkenness or central nervous system effects, including excitation, euphoria, headache, dizziness, blurred vision and fatigue
Inhalation	May cause intoxication with symptoms as described above
Skin Contact	This product is intended for use on human skin. If irritation occurs, wash affected area and discontinue use
Eye Contact	Causes serious eye damage. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTRE or doctor.

Early Onset Symptoms Related to Exposure May cause intoxication with symptoms as described above

Delayed Health Effects from Exposure	No data available
Exposure Levels	No data available
Interactive Levels	No data available

12. ECOLOGICAL INFORMATION

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Date issued 11-Nov-21
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Ecotoxicity	No data available
Persistence and Degradability	No data available
Bioaccumulative Potential	No data available
Other Adverse Effects	No data available

13. DISPOSAL CONSIDERATIONS

Disposal Methods	Disposal must be conducted in accordance with the local waste authority requirements. The product must be contained and not disposed of into sewerage systems, drains or waterways. Advise on flammable nature.
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14. TRANSPORT INFORMATION

UN Number	1170
Proper Shipping / Technical Name	ETHANOL SOLUTION
Transport Hazard Class(es)	Class 3 Flammable Liquid
Packing Group	II
Environmental Hazards for Transport Purposes	No data available
Special Precautions for User	Store in a well-ventilated place. Keep cool. Take precautions as outlined in Section 2
Additional Information	Shipment is considered dangerous as per IATA regulation
Hazchem / Emergency Action Code	2[Y]E

15. REGULATORY INFORMATION

Safety, Health and Environmental Regulations	MOOV Insect Repellent Spray (APVMA Approval No.56653/120mL/0805) has been approved for use by the APVMA.
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16. OTHER INFORMATION

Date of Issue	11 November 2021	SDS Version No.	04
		Superseded Version No.	03

LEGEND OF ABBREVIATIONS AND ACRONYMS USED

AAN	Australian Approved Name
CAS	Chemical Abstracts Service
%w/w	Percentage weight by weight
<	Less than
>	Greater than
°C	Degrees Celcius
g/ml	Grams per millilitre
UN	United Nations
NA	Not Applicable

-- END OF SDS --