

SAFETY DATA SHEET

RED-EYED GOTCHA! TROPICAL STRENGTH INSECT REPELLENT AEROSOL SPRAY

SDS Number: C0003

Revision Date: 1 July 2019

1 PRODUCT AND COMPANY IDENTIFICATION

Manufacturer

Concept Laboratories Pty Ltd
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Poisons Information Centre: 131126 (Australia)

Product Name: Red-Eyed Gotcha Insect Repellent Aerosol spray
Product Code: REG150A
Revision Date: 1 July 2019 - valid for 5 years from this date.
Recommended Use: Insect Repellent for use on skin in an aerosol can

2 HAZARDS IDENTIFICATION

Contains Ethanol & Exxsol™ D40 which are hazardous per Safe Work Australia.

GHS Signal word: WARNING



Hazard Categories

Flammable Aerosol 2.1, Flammable Liquids: 3; Aspiration Toxicant: 1; Skin Corrosion/Irritation: 3; Specific Target organ Toxicant (Narcosis): 3

Hazard Statements

H223: Flammable Aerosol (Cat 2)
H226: Flammable liquid and vapor (Cat 3)
H302: Harmful if swallowed- Acute toxicity, oral (Cat 4)
H304: May be harmful if swallowed and enters airways
H315: Causes skin irritation (Cat 2)
H319: Causes serious eye irritation (Cat 2B)
H336: May cause drowsiness or dizziness

Precautionary Statements

P102: Keep out of reach of children
P210: Keep Away from Sources of Ignition
P211: Do not spray near an open flame
P233: Keep Container Tightly Closed
P243: Take precautionary measures against static discharge
P251: Pressurized can: Do not pierce or burn, even after use
P260: Do not breathe dust/fume/gas/mist/vapors/spray
P271: Use only outdoors or in a well-ventilated area

Response

P304 + P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, continue rinsing.
P337: If eye irritation persists: seek medical attention
P353: Rinse skin or shower with water
P301+P330+P331: IF SWALLOWED: Rinse mouth. DO NOT induce vomiting. Immediately call a POISON CENTRE or doctor/physician
P370+P378: In case of fire, note the following: Alcohol resistant foam is the preferred firefighting medium but, if unavailable, fine water spray can be used.

Storage

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

Disposal

P501: Dispose of contents and containers to landfill.

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3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:	CAS#	CONC %
Ethanol	64-17-5	30-40%
Iso Paraffinic Hydrocarbon(Exxsol™ D40)	90622-57-4	20-25%
N,N-Diethyl toluamide (Deet)	134-62-3	19.0%
N-octyl bicycloheptene dicarboximide	113-48-4	4.0%
Di N-propyl isocinchomerate	136-45-8	2.0%
Triclosan	3380-34-5	0.01%
Excipients:		To 100%

4 FIRST AID MEASURES

Inhalation: Using proper respiratory protection, immediately remove the affected victim from exposure. Administer artificial respiration if breathing is stopped. Keep at rest. Seek immediate medical attention.

Skin Contact: Not normally required, if so, rinse skin or shower with water. Seek medical attention for skin irritations

Eye Contact: Immediately flush eyes with large amounts of water for at least 15 minutes, lifting eyelids occasionally to facilitate irrigation. Seek medical attention

Ingestion: DO NOT induce vomiting. For advice, contact Poisons Information Centre: 131126.

Additional info: Treat according to symptoms. Avoid gastric lavage: risk of aspiration of product to the lungs with the potential to cause chemical pneumonitis.

5 FIRE FIGHTING MEASURES

Shut off product that may 'fuel' a fire if safe to do so. Allow trained personnel to attend a fire in progress, providing firefighters with this Material Safety Data Sheet. Prevent extinguishing media from escaping to drains and waterways.

Extinguishing Media: Dry powder, alcohol stable foam, carbon dioxide and water.

Hazardous Decomposition Products: Toxic and/or irritating fumes, carbon monoxide (CO), aldehydes, ketones, acids and carbon dioxide (CO₂) May be emitted.
Wear self-contained breathing apparatus (SCBA) and complete protective clothing.

6 ACCIDENTAL RELEASE MEASURES

Emergency Procedure: SAA/SNZHB7
Dangerous Goods initial emergency response guide 14.

Spills/Clean up: This product is sold in small packages therefore the accidental release is not usually cause for concern. Remove any possible ignition sources. Slippery when spilled. Personal protective equipment should be worn when cleaning up spills. Restrict access to area until completion of cleanup. Stop leak if safe to do so. Contain spill with absorbent material, such as; toweling, sand, Vermiculite or another inert material. Prevent spill entering sewers or waterways. Collect and Dispose of spilled material according to local regulations. Wash away any remnants with copious amounts of cold water.

7 HANDLING AND STORAGE

Handling Precautions: Contact Concept Laboratories Pty Ltd sales representative for advice when using this Product for any other application other than outlined on the label or technical bulletin. Any non-intended or non-authorized use of this product may result in personal injury or damage to equipment. Store product in original container.

Storage Requirements: Store in cool, dry, well-ventilated area. Store below 30°C
Do not expose containers to open flame, incompatible materials, excessive heat, or direct Sunlight. Keep container tightly sealed.
Handle with care and avoid spillage on the floor (slippage).

Incompatible materials Natural Rubber, Butyl Rubber, EPDM, Polystyrene

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8 EXPOSURE CONTROL/PERSONAL PROTECTION

Engineering Controls: **Ventilation.**
Use local exhaust for dust and fumes when processing and handling.

Personal Protective Equipment:
Eye/face protection- not required under normal circumstances.
Should a splash risk exist, safety glasses or chemical resistant goggles should be worn to prevent eye contact.
Skin protection- not required under normal circumstances.
Respiratory protection- not required under normal circumstances

National Exposure Standards- Source: National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC: 1003].

<u>Ingredient</u>	<u>CAS No</u>	<u>ES-TWA</u>	<u>ES-STEL</u>
Ethanol	64-17-5	8hour	1000
Exxsol™ D40	64742-48-9	1200mg/m ³ (197ppm)	None specified

9 PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Aerosol	Colour:	Colourless
Appearance:	Fine Mist	Boiling Point/Range (°C):	160-190 (Exxsol™D40)
Water Solubility:	Miscible	Spec. Gravity (Water=1):	0.83
		Flash Point:	40°C (Exxsol™D40)

10 STABILITY AND REACTIVITY

Chemical Stability: Product is stable under normal ambient conditions.
Conditions to Avoid: Avoid heat, sparks, high temperatures (store below 30°C) and direct sunlight.
Protect against physical damage.
Material to Avoid: Strong oxidizing agents.
Hazardous Decomposition: Burning can produce carbon dioxide and possible toxic chemicals such as carbon monoxide.
Hazardous Reactions: Oxidizing agents, mineral acids, halogenated organic compounds

11 TOXOLOGICAL INFORMATION

HEALTH EFFECTS

Inhaled: Inhalation of vapours may cause drowsiness and dizziness. This may be accompanied by sleepiness, reduces alertness, loss of reflexes, lack of co-ordination and vertigo.
Inhalation of vapor's or aerosols (mists, fumes), generated by the material during course of normal handling, may be damaging to the health of the individual.
There is some evidence to suggest that the material can cause respiratory irritation in some persons.

Ingestion: Accidental ingestion of the material may be damaging to the health of the individual. Ethanol is a denaturant, which may cause optical nerve damage if ingested. May produce nausea, vomiting, bleeding from the digestive tract, abdominal pain and diarrhea.

Skin contact: There is some evidence to suggest that the material may cause moderate inflammation of the skin following direct contact or after a delay of some time. Repeated exposure can cause contact dermatitis which is characterized by redness, swelling and blistering.
Application of Deet to the skin produces no primary irritation or sensitization in humans. In rabbits, redness and peeling of the skin have been observed as well as intoxication, excitation, stiffness and loss of co-ordination.

Eye There is some evidence that material may produce eye irritation in some persons and produce eye damage 24 hours or more after installation. Severe inflammation may be expected with pain.

TOXICITY DATA

Acute toxicity- LD50 Oral-rat- 1,950mg/kg (>5000mg/m³ - Exxsol™D40) LD50 Inhalation-rat- 5,950mg/m³ LD50 Dermal-rat- 5,000mg/kg (TC_{Lo}: LC₅₀: 4951 mg/m³).

Skin corrosion/irritation- Skin- rabbit- irritation. **Serious eye damage/irritation-** Eyes- rabbit- Moderate eye irritation

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12	ECOLOGICAL INFORMATION
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Eco Toxicity: Soil: N,N-diethyl-m-toulamide (DEET), an active ingredient in insect repellent, is found to be moderately mobile in soil and is stable to hydrolysis at soil pH level typically found in the environment. Studies show that DEET can be biodegraded by soil microorganisms e.g. *P. putida*.

Fish Toxicity
(rainbow trout, goldfish, LC50(96hr): Expected to be harmful to aquatic organisms. May cause long term adverse effects in the environment (Exxsol™D40)

Water: DEET, practically insoluble in water, thus, was detected urban wastewater contamination to stream flow. Exxsol™D40, is highly volatile and will rapidly evaporate to the air if released into the water.

Persistence

And degradability:

Ingredient	Persistence: Water/Soil	Persistence: Air
Ethanol	LOW (Half-life= 2.17 days)	LOW (Half-life= 5.08 days)
N,N-diethyl-m-toluamide	HIGH	HIGH
Water	LOW	LOW

Ingredient	Bioaccumulation potential	Mobility in soil
Ethanol	LOW (LogKOW=-0.31)	HIGH (KOC= 1)
N,N-diethyl-m-toluamide	LOW (BCF- 2.4)	LOW (KOC= 536.6)
Water	LOW (LogKOW=-1.38)	LOW (KOC= 14.3)

Cautions: See Section 13

13	DISPOSAL CONSIDERATIONS
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Disposal Method: **P501:** Refer to State/Territory Land Waste Management Authority. Disposal of material through a suitably qualified or licensed contractor. Packaging may still contain fumes and vapours that are flammable and harmful

Special Precautions for Landfill or Incineration

This product is NOT suitable for disposal by either landfill or via municipal sewers, drains, natural streams or rivers. This product is ash less and can be burned directly in appropriate equipment.

14	TRANSPORT INFORMATION
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Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods (ADG Code)

UN Number: 1950 (Aerosols)

UN Proper

Shipping Name: Aerosols

Class and subsidiary

Risk: 2.1

Packing Group: III

Special precautions

For user: Not applicable.

Hazchem Code: 2YE

Dangerous Goods Initial emergence response guide (SAA/SNZ HB76) :14

15	REGULATORY INFORMATION
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Poisons Schedule (SUSMP): 5- All ingredients are listed in the Australian Inventory of Chemical Substances (AICS)

Product is not intended for medical/therapeutic use.

This Product has been approved by the Australian Pesticides and Veterinary Medicines Authority (APVMA) APVMA No 62687/100mL/ 0208

16	OTHER INFORMATION
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THIS SDS SUMMARISES OUR BEST KNOWLEDGE OF THE HEALTH AND SAFETY HAZARD INFORMATION OF THE PRODUCT AND HOW TO SAFELY HANDLE AND USE THE PRODUCT IN THE WORKPLACE. EACH USER MUST REVIEW THIS SDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE.

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** Please read all labels carefully before using this product.

This SDS is prepared in accord with the SWA document "Preparation of Safety Data Sheets for Hazardous Chemicals- Code of Practice" (December 2011)