

SAFETY DATA SHEET
RED-EYED GOTCHA! TROPICAL STRENGTH
INSECT REPELLENT ROLL ON MILK

SDS Number: C0002

Revision Date: 14 October 2016

1 **PRODUCT AND COMPANY IDENTIFICATION**

Manufacturer

Concept Laboratories Pty Ltd
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Poisons Information Centre: 13 11 26 (Australia)

Product Name: Red-Eyed Gotcha! Tropical Strength Insect Repellent Milk
Product Code: REG100RO
Revision Date: 14.10.2016- Valid for 5 years from this date.
Recommended Use: Personal Insect Repellent for use on skin in a roll-on bottle

2 **HAZARDS IDENTIFICATION**

Classified as hazardous by the criteria of Safe Work Australia.

GHS Signal word: WARNING

Hazard Statement

H302: Harmful if swallowed- Acute toxicity, oral (Cat 4)
H315: Causes skin irritation (Cat 2)
H319: Causes serious eye irritation (Cat 2B)



Precautionary Statements

P102: Keep out of reach of children
P261: Avoid breathing dust/fumes
P271: Use only outdoors or in a well-ventilated area
P273: Avoid release to the environment

Response

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, continue rinsing
P313+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.

Storage

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

Disposal

P501: Dispose of contents and containers in accordance with local regulations e.g. recycle

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3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

Hazardous Components	CAS#	CONC %
N,N-Diethyl toluamide (Deet)	134-62-3	19.5%
N-octyl bicycloheptene dicarboximide	113-48-4	4.0%
Di N-propyl isocinchomerone	136-45-8	2.0%
Excipients:		To 100%

4 FIRST AID MEASURES

Inhalation:	Not normally required. If patient overcome, move to fresh air.
Skin Contact:	Not normally required, if so, rinse skin or shower with water.
Eye Contact:	Immediately flush eyes with large amounts of water for at least 15 minutes, lifting eyelids occasionally to facilitate irrigation.
Ingestion:	DO NOT induce vomiting. For advice, contact Poisons Information Centre: 13 11 26.
Additional info:	No aggravated medical conditions known, caused by exposure to this product. If required treat symptomatically

5 FIRE FIGHTING MEASURES

Extinguishing Media:	Water, alcohol stable foam, dry chemical powder, carbon dioxide
Hazardous Decomposition Products:	carbon monoxide (CO), carbon dioxide (CO ₂), nitrogen oxides (NO _x), hydrogen chloride, phosgene, other pyrolysis products typical of burning organic material. PCBs decompose on heating to produce acrid black soot and toxic fumes of aldehydes, hydrogen chlorides (HCl), chlorides and extremely toxic polychlorinated dibenzofurans (PCDF) and polychlorinated dibenzodioxin (PCDD). Other halogenated analogues may produce corresponding decomposition products.

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).

8 EXPOSURE CONTROL/PERSONAL PROTECTION

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Engineering Controls: Not normally required.
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

Occupational Exposure Controls: We are not aware of any national exposure limit. (DEET)

9 PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid	Spec. Gravity:	0.99
Appearance:	Cream	Boiling Point:	100°C (Water)
Water Solubility:	Soluble (water)	Flash Point:	Not Flammable
Freezing/Melting Point:	N/A	Ignition Temperature:	N/A
pH:	6.5-7.0	Colour:	White

10 STABILITY AND REACTIVITY

Chemical Stability: Product is stable under normal ambient conditions.
Conditions to Avoid: Avoid heat, high temperatures (store below 30°C) and direct sunlight.
Protect against physical damage. See section 7
Material to Avoid: Strong oxidizing agents.
Hazardous Decomposition: Burning can produce carbon dioxide and possible toxic chemicals such as carbon monoxide.
Hazardous Reactions: None known.

11 TOXOLOGICAL INFORMATION

HEALTH EFFECTS

Inhaled: Considered an unlikely route of entry in commercial/industrial environments.
May be irritating to gastro-intestinal tract.
Ingestion: No long term health effects known
Eye: May irritate or damage the eye.
Skin: 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.

TOXICITY DATA

Acute toxicity- LD50 Oral-rat- 1,950mg/kg LD50 Inhalation0rat- 5,950mg/m3 LD50 Dermal-rat- 5,000mg/kg
Skin corrosion/irritation- Skin- rabbit- irritation. **Serious eye damage/irritation-** Eyes- rabbit- Moderate eye irritation

12 ECOLOGICAL INFORMATION

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.

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Water: DEET, practically insoluble in water, was detected in water as a result of urban wastewater contamination to stream flow.

**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

Disposal Method: Refer to State/Territory Land Waste Management Authority. Dispose of material By a licensed waste contractor. Rinse empty containers thoroughly before recycling or Disposing to an authorized landfill. Materials should be recovered for reuse if possible. Suitable for incineration by an approved agent.

14 TRANSPORT INFORMATION

Road Transport: Not a Dangerous Goods
Maritime Transport: Not a Dangerous Goods
Air Transport: Not a Dangerous Goods

15 REGULATORY INFORMATION

Poisons Schedule (SUSMP):

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

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)