

Material Safety Data Sheet

Product Name: The 10-Hour™ Insect Repellent
Tec Laboratories, Inc.

Revision Date: 11/01/04

SECTION I - COMPANY AND PRODUCT INFORMATION

MANUFACTURER:

Tec Laboratories, Inc.
7100 Tec Labs Way SW
Albany, OR 97321

PRODUCT NAME:

The 10-Hour™ Insect Repellent

EMERGENCY TELEPHONE NUMBERS:

(541) 926-4577
24 Hour Emergency Assistance
1-800-535-5053

CHEMICAL FAMILY:

Pesticide

PRODUCT DESCRIPTION:

Topical Insect Repellent.

CAS NUMBER:

134-62-3

SECTION II - HAZARDOUS INGREDIENTS

CAS NO.	CHEMICAL NAME	PERCENT BY WEIGHT	OSHA PEL	ACGIH TLV
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*****NO HAZARDOUS INGREDIENTS*****
HAZARD SUMMARY

Rating	Definitions
Health 1	0 - least
Fire 1	1 - slight
Reactivity 0	2 - moderate
	3 - high
	4 - extreme

SECTION III - COMPOSITION

CAS NUMBER	CHEMICAL NAME	PERCENT BY WEIGHT
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Active ingredient:

134-62-3	DEET (Includes 97.83% N,N Diethyl-m-toluamide + 0.28% related isomers and 1.89% other ingredients)	100.00%
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SECTION IV - HEALTH HAZARD AND FIRST AID INFORMATION

OCCUPATION EXPOSURE LIMIT: Not established

CARCINOGENICITY: Not listed by NTP, IARC or OSHA

PRIMARY ROUTES OF ENTRY: Skin, eyes, inhalation

SYMPTOMS AND EFFECTS
 OF OVEREXPOSURE

ROUTE OF ENTRY

EMERGENCY AND FIRST AID
 PROCEDURES

Causes substantial but temporary eye injury.	EYES	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
Can cause irritation and reddening of the skin, especially on areas occluded from air (inside gloves, under watch bands, etc.) Harmful if absorbed through the skin.	SKIN	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
Excessive inhalation can cause nasal and respiratory irritation.	INHALATION	Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.
Harmful if swallowed. Can cause stomach irritation, resulting in nausea, cramps, and vomiting.	INGESTION	Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

Acute Dermal LD₅₀ - >1000 mg/kg/day (3 mo. rat); Acute Oral LD₅₀ - 2170 to 3664 mg/kg; Acute Inhalation LC₅₀ - 5.95 mg/L.
 NOTE TO PHYSICIAN: None

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SECTION V - PERSONAL PROTECTION INFORMATION

---WHEN HANDLING BULK QUANTITIES---

EYE PROTECTION: OSHA approved safety glasses, goggles or face shield.

PROTECTIVE CLOTHING: Wear rubber gloves. To avoid excessive exposure, wear impervious boots and clothing.

VENTILATION: Mechanical ventilation should be used when handling this product in enclosed areas.

RESPIRATORY PROTECTION: Not normally required. Use in well-ventilated areas.

---WHEN USING PRODUCT ACCORDING TO DIRECTIONS FOR USE---

EYE PROTECTION: Avoid applying product in and around eyes.

PROTECTIVE CLOTHING: None required for normal use.

VENTILATION: Normal room ventilation is satisfactory.

RESPIRATORY PROTECTION: None required for normal use.

SECTION VI - STORAGE AND SPECIAL HANDLING INFORMATION

Store containers upright and closed. Store at room temperature. Keep away from heat, ignition sources, and strong oxidizers. Do not contaminate water, feed, or food by storage, handling, or disposal. READ AND OBSERVE ALL PRECAUTIONS AND INSTRUCTIONS ON THE PRODUCT LABEL. KEEP OUT OF REACH OF CHILDREN.

SECTION VII - SPILL OR LEAK RESPONSE INFORMATION

PRECAUTIONS IN CASE OF SPILLS OR LEAKS: Eliminate all ignition sources. Contain the spill (prevent this product from reaching surface waters or other water supplies). Soak up the spill with an appropriate absorbent and transfer into waste containers for disposal. Clean the spill area with detergent and water.

WASTE DISPOSAL METHOD: Contaminated absorbent and wash water should be disposed of according to local, state, and federal regulations.

RCRA/CERCLA HAZARDOUS WASTE: This product contains no hazardous waste.

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SECTION VIII - FIRE AND EXPLOSION HAZARD INFORMATION

FLASH POINT (TAG closed cup): >200°F/93.3°C.

FLAMMABLE LIMITS: Not established.

EXTINGUISHING MEDIA: Foam, carbon dioxide or dry chemical.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None.

SPECIAL FIRE FIGHTING PROCEDURES: Treat as an oil fire. Use a full-faced self-contained breathing apparatus along with full protective gear. Keep nearby containers and equipment cool with a water spray. Contain the run-off, if possible, for proper disposal.

SECTION IX - REACTIVITY INFORMATION

STABILITY: Stable.

INCOMPATIBILITY (MATERIALS TO AVOID): Strong acidic or alkaline materials (strong oxidizing materials).

HAZARDOUS DECOMPOSITION PRODUCTS: Combustion will produce carbon dioxide, carbon monoxide and oxides of nitrogen.

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: None.

SECTION X - PHYSICAL DATA

APPEARANCE: Clear, oily liquid.

ODOR: Mild characteristic odor.

SOLUBILITY IN WATER (% by weight): <0.1%.

SPECIFIC GRAVITY: 0.9960 @ 25°C (77°F). (Weight per gallon 8.32 lbs.)

BOILING POINT: 160°C (320°F) @ 19 mm-Hg.

AUTO IGNITION TEMPERATURE: Unknown.

VAPOR PRESSURE: 1.67 x 10⁻³ mm-Hg @ 25°C (77°F)