



RAINBOW TECHNOLOGY
Specialists in Utility Chemicals & Safety Items

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Woman-Owned Business Enterprise - Founded 1971

Safety Data Sheet (SDS)

SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MANUFACTURER/DISTRIBUTOR: Rainbow Technology Corporation (800) 637-6047
 CONTACT PERSON: Larry Joe Steeley, Jr.
 EMERGENCY PHONE:#(24 HRS.): Chem-Tel Inc. (800) 255-3924
 TRADE NAME: Rainbow Jungle Formula Insect Repellent Towelette
 PRODUCT NUMBER: 4508
 ISSUE DATE: June 24, 2013
 REPLACES MSDS DATED: September 7, 2010

SECTION 2 – COMPOSITION/INFORMATION ON COMPONENTS

| CAS NO | CHEMICAL NAMES | % by wt | Exposure Limits |
|--------------|---------------------------------|---------|--|
| 134-62-3 | N,N Diethyl-m-toluamide (DEET)* | 30 | Not Established |
| 64-17-5 | Ethyl Alcohol | <12 | OSHA PEL: 1000 ppm (as 8-hr time-weighted avg) ACGIH-TLV: same |
| Trade secret | Other Inert Ingredients ** | >58 | Not Established |

* Active Ingredient

** Other inert ingredients are maintained as trade secrets, are any substances other than an active ingredient contained in this product. Some of these may be hazardous, but their identity is withheld because they are considered trade secrets. The hazards associated with the other ingredients are addressed in this document.

SECTION 3 – HAZARD IDENTIFICATION

Emergency Overview – A white liquid, lotion or cream with added fragrance (variable). This product does not present an immediate concern for emergency personnel.

Potential Health Effects

Eyes – May cause moderate irritation.

Skin – Keep away from mucous membranes and abraded skin.

Ingestion – May be harmful if ingested.

Inhalation – High gas, vapor, or mist concentrations may be harmful if inhaled.

Chronic (Carcinogen) – None of the components of this material is listed by IARC, NTP or OSHA as a carcinogen.

Teratogenicity – No data available for this mixture.

Mutagenicity – No data available for this mixture.

SECTION 4 – FIRST AID MEASURES

Eyes – Immediately flush the eyes with plenty of water for at least 15 minutes. Call a physician.

Skin – Wash thoroughly after skin contact.

Ingestion – Drink 1 to 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person. Get medical attention.

Inhalation – Remove from exposure. If not breathing, give artificial respiration and call a physician. Seek medical attention if medical problems persist.

SECTION 5 – FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES: FLASHPOINT >203 degrees F (>95 degrees C) Method: COC

FLAMMABLE LIMITS: LEL Not available UEL Not available

AUTOIGNITION: Not available

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SECTION 5 – FIRE FIGHTING MEASURES CONT.

COMBUSTION PRODUCTS: As with other organic materials, combustion will produce carbon monoxide, carbon dioxide and nitrogen oxides.

EXTINGUISHING MEDIA: Foam, dry chemical, carbon dioxide (CO₂), water spray.

FIREFIGHTING INSTRUCTION: Wear self-contained breathing apparatus and protective clothing. Normal firefighting procedures may be used.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Contain spilled material with sand or vermiculite and place in chemical waste container. Prevent runoff from entering drains, sewers, and streams.

SECTION 7 – HANDLING AND STORAGE

HANDLING: Avoid contact with eyes, mucous membranes and clothing. Use with adequate ventilation. Wash hands after handling. Since DEET is a good solvent, it is recommended that the formulation be kept away from painted and varnished surfaces, plastics, polymers and rubbers.

STORAGE: This product should be stored at ambient temperature in a dry, well-ventilated location. Keep container tightly closed.

SECTION 8 – EXPOSURE CONTROL/PERSONAL PROTECTION

ENGINEERING CONTROLS: Use with adequate ventilation. The use of local mechanical ventilation is recommended whenever this product is used in a confined space or heated above ambient temperature.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Eyes/Face: Goggles or glasses with side shields

Skin: Clothing should be sufficient to minimize physical contact. Impermeable gloves recommended (i.e., disposable neoprene)

Respiratory: The use of a NIOSH-approved organic vapor respirator is recommended whenever this product is used in a confined space or heated above ambient temperature. Air-purifying respirators must not be used in oxygen-deficient atmospheres.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|--------------------------|--|----------------------------|-------------------------------|
| Boiling Point: | Initial boiling point = 78 degrees C (ethyl alcohol) | Specific Gravity (water=1) | Approx. 1 |
| Vapor Pressure (mm Hg): | Not Available | Freezing/Melting Point: | Not Available |
| Vapor Density (AIR = 1): | Not Available | Physical State | Liquid, lotion or cream |
| Solubility in Water: | Water emulsion | PH | 6.5-7.5 @ 1% aqueous solution |
| Appearance: | White liquid, lotion or cream | Evaporation Rate | <1 (Butyl Acetate = 1) |
| Odor: | Fragrance added (varies) | | |

SECTION 10 – STABILITY AND REACTIVITY

STABILITY: Stable

INCOMPATIBILITY: Incompatible with oxidizing materials.

HAZARDOUS DECOMPOSITION PRODUCTS: As with other organic materials, combustion will produce carbon dioxide, carbon monoxide and oxides of nitrogen.

POLMERIZATION: Will not occur.

SECTION 11 – TOXICOLOGICAL INFORMATION

IRRITATION:

Skin – rabbit - 500 mg; slightly irritating

Eye – rabbit – 100 mg; moderately irritation

TOXIC EFFECTS:

Oral – rat

LD50 (female): between 2000 mg/kg and 5000 mg/kg

LD 50 (male) > 5000 mg/kg

Dermal – rat

LD50: > 5000 mg/kg

Inhalation – rate – LC50: > 2000 mg/m³

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SECTION 11 – TOXICOLOGICAL INFORMATION CONT.

Other multiple dose toxicity
Skin – guinea pig – No evidence of dermal sensitizer effects.

SECTION 12 – ECOLOGICAL EFFECTS

No data available for this mixture.

SECTION 13 – DISPOSAL CONSIDERATIONS

Disposal must be in accordance with Federal, State, and Local regulations.

SECTION 14 – TRANSPORTATION INFORMATION

DOT SHIPPING CLASSIFICATION – Not Regulated
DOT HAZARD CLASS – ORM-D
UN NUMBER – Not applicable
DOT HAZARD LABEL – Not applicable
IMO – Not listed

SECTION 15 - REGULATORY INFORMATION

OSHA STATUS – Non-Hazardous SARA TITLE III – Not Applicable CERCLA – Not Applicable
California Proposition 65 – Ingredients Not Listed

NOTE: This material is an approved pesticide under U.S. EPA's FIFRA and Health Canada requirements.

SECTION 16 – OTHER INFORMATION

| | |
|-------------------------|--------------------|
| HMIS RATING | NFPA Rating |
| Health – 1 | Health - 1 |
| Flammability – 1 | Flammability - 1 |
| Reactivity – 0 | Reactivity - 0 |
| Personal Protection - B | |

NOTE: 'B' designates a recommendation of safety glass and protective gloves when handling this material in bulk. This rating is given to materials which have the potential for skin irritation, or which may be harmful if absorbed through the skin.

The information provided herein was believed to be accurate at the time of preparation and prepared from a compilation of sources believed to be reliable, but it is the responsibility of the user to investigate and understand other pertinent sources of information, to comply with all laws and procedures applicable to the safe handling and use of this product, and to determine the suitability of the product for its intended use.