



RAINBOW TECHNOLOGY
Specialists in Utility Chemicals & Safety Items

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Woman-Owned Business Enterprise - Founded 1971

Safety Data Sheet (SDS)

1 IDENTIFICATION OF THE PREPARATION AND COMPANY

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 Tick & Mosquito Repellent for FR Clothing
PRODUCT NUMBER:	4507 (6 fl oz) & 4509 (24 fl oz)
EPA REG. NUMBER:	50404-3-13283
ISSUE DATE:	July 1, 2016
REPLACES SDS DATED:	June 8, 2015

NFPA RATING

(Scale 0-4)

HEALTH	0
FIRE	1
REACTIVITY	0

2 HAZARD IDENTIFICATION

Classification of Preparation: None.

Primary Hazards: R50/53: Very toxic to aquatic organisms, may cause long-term adverse affects in the aquatic environment.

3 COMPOSITION / INFORMATION ON INGREDIENTS

Product Description: Dangerous preparation according to EU directive 1999/45EC:

Information of Hazardous Substances:

Substance Name	Concentration	CAS Number	EC Number	Symbols	R-Phrases
Permethrin	0.50%w/w	52645-53-1	258-067-9	Xn, R50/53	R22

Reference is made to Chapter 16 for full test of each relevant R phrase. Occupational exposure limit(s), if relevant, are listed in Section 8.

4 FIRST-AID MEASURES

Any Special Measure: None.

First Aid Measures –

If Swallowed: 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.

If Inhaled: 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 treatment advice.

Skin Contact: 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.

If In 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.

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5 FIRE-FIGHTING MEASURES

Extinguishing Media –

Suitable: Carbon dioxide (CO₂), Dry chemical, Foam, Water

Not Suitable: As appropriate for surrounding fire.

Special Exposure Hazards: None known.

Hazardous Thermal Decomposition Products: None.

Special Protective Equipment for Firefighters: Use adequate respiratory equipment in case of insufficient ventilation.

6 ACCIDENTAL RELEASE MEASURES

Personal Precautions: Avoid contact with face, eyes, or skin. Avoid breathing vapors or spray mist. Harmful if swallowed. Wash thoroughly after handling and before eating or smoking. Do not use on humans.

Environmental Precautions: This product is extremely toxic to fish and other aquatic organisms. Do not apply directly to water. Do not contaminate water when disposing of equipment washwaters.

Large Spills: Contain with a dike.

Methods for Clean-up: Absorb residues in sand or other inert material. Collect spilled material in containers. Call your local solid waste agency for disposal instructions.

Other Information: Notify Authorities if any exposure to the general public or the environment occurs or is likely to occur.

7 HANDLING AND STORAGE

Handling: Handle in accordance with good occupational hygiene and safety practices in well-ventilated areas.

Storage: Keep in a cool, dry and well-ventilated place (< 95°F)(< 35°C). Do not store where temperature falls below (32°F)(0°C). Protect from sunlight. Keep away from food, drink and animal feedstuff.

Recommended Packaging: Keep only in the original packaging.

Use: Use insecticides safely. Always read the label and product information before use.

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8 EXPOSURE CONTROL/PERSONAL PROTECTION

Engineering Measure: Use only in well-ventilated areas. Comply with standard precautionary measures for working with chemicals.

Hygienic Measures: When using do not eat, drink or smoke.

Occupational Exposure Limits: Occupational exposure limits have not been established for this product.

Workplace exposure limits (mg/m³): Not determined for this product.

Personal Protective Equipment: Exposure limits: non-assigned. As a consumer use product there is no requirement for personal protection.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Liquid

Color: Milky white

Odor: Slight (Characteristic)

pH: 6.0 – 7.0

Flash Point (TCC): >200°F (>93°C)

Specific Gravity: 0.995

Pounds/Gallon: 8.31

Solubility (Oil): Negligible

Solubility (Water): Miscible

Shelf Life: 5-years

10 STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Conditions to avoid: Do not store when Temperature exceeds (< 95°F)(< 35°C) or falls below (32°F)(0°C).

Materials to avoid: None.

Hazardous Decomposition Products: No known.

Reactivity: None.

11 TOXICOLOGICAL INFORMATION

Symptoms of Overexposure for Each Potential Route of Exposure:

Inhaled: None.

Contact with skin or eyes: None.

Absorbed through skin: None.

Swallowed: None.

Health effects or risk from exposure: Acute: *None established* Chronic: *None established*

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12 ECOLOGICAL INFORMATION*

No Ecotoxicological research has been carried out on this product.

Eco Toxicity: LD50 quail >675g/kg, LC50 96hr fish (Guppy) = 0.38mg/l, EC50 48hr daphnia = 0.0085mg/l, EC50 72hr algae = 25mg/l.

Mobility: Not specified.

Persistence – degradability: Data given in this section are for the active ingredient: Soil DT50<28 days. Water DT50 6 TO 24 HOURS (ponds & streams), 7 Days (pond sediment).

Bioaccumulative potential: Not specified.

**Extrapolated from Technical Concentrate*

13 DISPOSAL CONSIDERATION

Product residues: Replace cap, wrap clean, empty container in several layers of newspaper, and discard container in rubbish. Containers may be recycled. Treat product residues and non-empty pack as hazardous waste.

Additional warning: None.

14 TRANSPORT INFORMATION

This preparation is not classified as a Dangerous Goods for Transport.

Proper Shipping Name: Insect Repellent/Clothing Treatment
Not Restricted.

15 REGULATORY INFORMATION

TSCA (Toxic Substances Control Act) Regulations, 40CFR710: This preparation is a pesticide and is exempt from TSCA regulation.

CERCLA and SARA Regulations (40CFR355, 370, 372): this preparation does not contain any chemicals subject to the reporting requirements of SARA Sec. 313.

This preparation is classified and labelled in accordance with the Control of Pesticides Regulations (1986) and EU DIRECTIVE 1999/45/EC.



DANGEROUS FOR THE ENVIRONMENT

R50/53: Very toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

S29: Do not empty into drains.

To avoid risks to man and the environment, comply with the instructions for use.

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16 OTHER INFORMATION

Prepared in accordance with OSHA Hazard Communication Standard (HCS) to conform to the United Nations' Globally Harmonized System of Classification and Labelling of Chemicals (GHS).

The information in this safety data sheet is compiled in compliance with Regulation (EC) 1907/2006.

This product is intended for consumer (amateur) use only.

The information given in this safety data sheet is correct to the best of our knowledge at the date of issue. It is intended as a guide for the safe use, handling, disposal, storage and transportation and is not intended as warranty or as a specification. Recipients of our products must take responsibility for observing the law and regulations. The information relates only to the product supplied and may not be suitable for use with other product materials other than those described within.