



Safety Data Sheet (SDS)

SECTION I - IDENTIFICATION

Product Name: Tick & Mosquito Repellent for FR Clothing
Product No.: 4507, 4509
Manufacturer: Rainbow Technology Corporation 1-800-637-6047
Contact: Larry Joe Steeley, Jr.
Emergency Phone No. (24 Hrs.): **CHEM-TEL 1-800-255-3924** **SDS Issue Date:** 6-28-2023
SDS Replaces Date: 10-26-2017

2. HAZARDS IDENTIFICATION

Appearance Milky white **Physical state** Pump Spray Liquid **Odor** Mild chemical
HAZARD CLASSIFICATION: Acute Toxicity – Inhalation (Dust/Mists) - Category 4

GHS Label elements, including precautionary statements

Hazard Pictogram(s):



Signal Word: **Warning**

Hazard statements

May cause an allergic skin reaction
Very toxic to aquatic life with long lasting effects.

Precautionary Statements - Prevention

Obtain special instructions before use
Do not handle until all safety precautions have been read and understood Wear protective gloves/protective clothing/eye protection/face protection Avoid breathing dust/fume/gas/mist/vapors/spray

Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention
Specific treatment (see supplemental first aid instructions on this SDS)

Skin

IF ON SKIN: Wash with plenty of water and soap
If skin irritation or rash occurs: Get medical advice/attention Wash contaminated clothing before reuse

Precautionary Statements - Storage

Store in a cool dry place inaccessible to children.

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Safety Data Sheet (SDS)

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance

Not applicable.

Mixture

| Chemical name | CAS-No | Percent | Hazardous Material Information Review Act registry number (HMIRA registry #) | Date HMIRA filed and date exemption granted (if applicable) |
|-----------------------|------------|---------|--|---|
| Permethrin | 52645-53-1 | 0.5% | - | - |
| Supplier Trade Secret | - | 99+% | - | - |

4. FIRST AID MEASURES

First aid measures

| | |
|-----------------------|--|
| General advice | Show this safety data sheet to the doctor in attendance. IF exposed or concerned: Get medical advice/attention. |
| Inhalation | Remove to fresh air. |
| Eye contact | Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician. |
| Skin contact | Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. |
| Ingestion | IMMEDIATELY call a poison control center or doctor 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 a doctor. Never give anything by mouth to an unconscious person. |

Most important symptoms and effects, both acute and delayed

Symptoms Not indicated

Indication of any immediate medical attention and special treatment needed

Safety Data Sheet (SDS)

Note to physicians For skin effects, a highly efficient therapeutic agent for Pyrethrin/ Pyrethroid exposure is topical application of tocopherol acetate (Vitamin E).

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media CAUTION: Use of water spray when fighting fire may be inefficient.

Hazardous Combustion Products Carbon oxide

Explosion Data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge None.

Special protective equipment for fire-fighters Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Evacuate personnel to safe areas.

Other Information Refer to protective measures listed in Sections 7 and 8.

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

7. HANDLING AND STORAGE

Precautions for safe handling

Safety Data Sheet (SDS)

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse. Remove contaminated clothing and shoes.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled containers.
Keep out of the reach of children.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Limits This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the specific regulatory bodies.

Appropriate engineering controls

Engineering controls Showers
Eyewash stations

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles).

Hand protection Wear suitable gloves.

Skin and body protection Wear suitable protective clothing.

Respiratory protection No protective equipment is needed under normal use conditions.

General hygiene considerations Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product.

Safety Data Sheet (SDS)

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

| | |
|----------------|--------------------|
| Physical state | Pump Spray; Liquid |
| Appearance | Milky white |
| Odor | Mild, aromatic |
| Color | Milky White |
| Odor Threshold | No data available |

| <u>Property</u> | <u>Values</u> | <u>Remarks Method</u> |
|-------------------------------|-------------------|-----------------------|
| pH | 6.0 – 7.0 | |
| Melting / freezing point | No data available | None known |
| Boiling point / boiling range | 100 °C / 212 °F | |
| Flash Point | 200 °F (TCC) | |
| Evaporation Rate | No data available | None known |
| Flammability (solid, gas) | No data available | None known |
| Flammability Limit in Air | | None known |
| Upper flammability limit | No data available | |
| Lower flammability limit | No data available | |
| Vapor pressure | No data available | None known |
| Vapor density | No data available | None known |
| Relative density | 0.995 | |
| Water Solubility | Miscible in water | |
| Solubility(ies) | No data available | None known |
| Partition coefficient: | 0 | |

Other Information

| | |
|----------------------|--------------------------|
| Explosive properties | No information available |
| Oxidizing properties | No information available |
| Molecular Weight | No information available |
| VOC Content (%) | No information available |
| Liquid Density | No information available |
| Bulk Density | No information available |

10. STABILITY AND REACTIVITY

| | |
|--------------------|---------------------------------|
| Reactivity | Not reactive. |
| Chemical stability | Stable under normal conditions. |

Safety Data Sheet (SDS)

| | |
|---|---|
| Possibility of Hazardous Reactions | None under normal processing. |
| Hazardous Polymerization | Hazardous polymerization does not occur. |
| Conditions to avoid | None known based on information supplied. |
| Incompatible materials | None known based on information supplied. |
| Hazardous Decomposition Products | Carbon oxides. |

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

| | |
|------------------------|---|
| Oral LD50 | >5,000 mg/kg (rat) |
| Dermal LD50 | >2,000 mg/kg (rat) |
| Inhalation LC50 | >2.03 mg/L (rat: 4 hours) |
| Eye contact | Irritation clearing in 48 hours. (rabbit). |
| Skin contact | Non-sensitizer. (guinea pig). |
| Ingestion | Specific test data for the substance or mixture is not available. |

Component Information

Delayed and immediate effects as well as chronic effects from short and long-term exposure

| | |
|--|--|
| Skin corrosion/irritation | Not considered dermal irritant. |
| Respiratory or skin sensitization | Non-sensitizer. (guinea pig). |
| Carcinogenicity | This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP. |
| Reproductive toxicity | No information available. |
| STOT - single exposure | No information available. |
| STOT - repeated exposure | No information available. |
| Aspiration hazard | No information available. |

Safety Data Sheet (SDS)

12. ECOLOGICAL INFORMATION

Ecotoxicity Very toxic to aquatic life with long lasting effects.

| Chemical name | Toxicity to Algae | Toxicity to Fish | Toxicity to Microorganisms | Daphnia Magna (Water Flea) |
|---------------|-------------------|---|----------------------------|----------------------------|
| Permethrin | - | 96h LC50: = 2200 mg/L (Pimephales promelas) | - | 96h LC50: = 2.6 mg/L |

Persistence and Degradability No information available.

Bioaccumulation

| Chemical name | Log Pow |
|-----------------------|---------|
| Permethrin | 6.5 |
| Supplier Trade Secret | 3.63 |

Mobility No information available.

Other adverse effects No information available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste from residues/unused products Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging Do not reuse empty containers.

California Waste Codes 232

14. TRANSPORT INFORMATION

DOT NOT REGULATED
Proper Shipping Name NON-REGULATED
Hazard Class N/A
Special Provisions None

Safety Data Sheet (SDS)

| | |
|-----------------------------|---|
| <u>TDG</u> | Not regulated |
| <u>MEX</u> | Not regulated |
| <u>ICAO</u> | Not regulated |
| <u>IATA</u> | Not regulated |
| Proper Shipping Name | NON REGULATED |
| Hazard Class | N/A |
| <u>IMDG/IMO</u> | Not regulated |
| Hazard Class | N/A |
| EmS-No. | F-A, S-F |
| Marine Pollutant | Product is a marine pollutant according to the criteria set by IMDG/IMO |
| <u>RID</u> | Not regulated |
| Special Provisions | None |
| <u>ADR</u> | Not regulated |
| <u>ADN</u> | Not regulated |

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

International Regulations

Ozone-depleting substances (ODS) Not applicable

Persistent Organic Pollutants Not applicable

Export Notification requirements Not applicable

International Inventories

| | |
|----------------------|---|
| TSCA | Contact supplier for inventory compliance status. |
| DSL/NDSL | Contact supplier for inventory compliance status. |
| EINECS/ELINCS | Contact supplier for inventory compliance status. |
| ENCS | Contact supplier for inventory compliance status. |
| KECL | Contact supplier for inventory compliance status. |
| PICCS | Contact supplier for inventory compliance status. |
| AICS | Contact supplier for inventory compliance status. |

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

Safety Data Sheet (SDS)

ENCS - Japan Existing and New Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

| Chemical name | CAS-No | Percent | SARA 313 - Threshold Values % |
|---------------|------------|---------|-------------------------------|
| Permethrin | 52645-53-1 | 0.5% | 1.0 |

Acute Health Hazard Yes
Chronic Health Hazard No
Fire Hazard No
Sudden release of pressure hazard No
Reactive Hazard No

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

Safety Data Sheet (SDS)

16. OTHER INFORMATION

NFPA Health hazards 1 Flammability 1 Instability 0 Physical and Chemical Properties –

HMIS Health hazards 1 Flammability 1 Physical hazards 0 Personal Protection X
Chronic Hazard Star Legend * = Chronic Health Hazard

Prepared By Product Stewardship
 23 British American Blvd.
 Latham, NY 12110
 1-800-572-6501

Revision Date 28-Jun-2023
Revision Note No information available

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

End of Safety Data Sheet