SAFETY DATA SHEET

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NGHS / English

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1. IDENTIFICATION

Product identifier

Product Name Sawyer Premium Insect Repellent Clothing, Gear & Tents Trigger Spray
EPA # 50404-3-58188

Other means of identification

Product Code(s) SP638, SP645, SP649, SP656, SP657

Recommended use of the chemical and restrictions on use

Recommended Use Repellent, Pest, Non-Aerosol

Restrictions on use No information available

Details of the supplier of the safety data sheet

Supplier Identification Sawyer Products, Inc.

Address PO Box 188
Safety Harbor FL
34695
US

Telephone Phone:800 356-7811
Fax:727 725-1954

E-mail Customer@sawyer.com

Emergency telephone number **800-356-7811**

Company Emergency Phone Number 727 725-1177

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

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

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

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.

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

Property	**Values**	**Remarks Method**
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.

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.

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

TDG	Not regulated
MEX	Not regulated
ICAO	Not regulated
IATA	Not regulated
Proper Shipping Name	NON REGULATED
Hazard Class	N/A
IMDG/IMO	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
RID	Not regulated
Special Provisions	None
ADR	Not regulated
ADN	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

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.

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

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1-800-572-6501

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Revision Note No information available

Disclaimer

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End of Safety Data Sheet