# SAFETY DATA SHEET

**Issuing Date** 26-Oct-2017  
**Revision Date** 11-Oct-2018  
**Revision Number** 1A

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## 1. IDENTIFICATION

| Product identifier | Sawyer Premium Insect Repellent Clothing, Gear & Tents Trigger Spray  
|-------------------|---------------------------------------------------------------------  
| **Product Name**  | EPA # 50404-3-58188  
| **Other means of identification** |  
| **Product Code(s)** | 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):

![Hazard Pictogram]

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

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS-No</th>
<th>Percent</th>
<th>Hazardous Material Information Review Act registry number (HMIRA registry #)</th>
<th>Date HMIRA filed and date exemption granted (if applicable)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Permethrin</td>
<td>52645-53-1</td>
<td>0.5%</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Supplier Trade Secret</td>
<td>-</td>
<td>99+%</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Pump Spray; Liquid</td>
<td></td>
</tr>
<tr>
<td>Appearance</td>
<td>Milky white</td>
<td></td>
</tr>
<tr>
<td>Odor</td>
<td>Mild, aromatic</td>
<td></td>
</tr>
<tr>
<td>Color</td>
<td>Milky White</td>
<td></td>
</tr>
<tr>
<td>Odor Threshold</td>
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</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>Explosive properties</td>
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<tr>
<td>Oxidizing properties</td>
<td>No information available</td>
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<tr>
<td>Molecular Weight</td>
<td>No information available</td>
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<tr>
<td>VOC Content (%)</td>
<td>No information available</td>
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<tr>
<td>Liquid Density</td>
<td>No information available</td>
</tr>
<tr>
<td>Bulk Density</td>
<td>No information available</td>
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</tbody>
</table>

10. STABILITY AND REACTIVITY

Reactivity

Not reactive.

Chemical stability

Stable under normal conditions.
11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Oral LD50
Dermal LD50
Inhalation LC50
Eye contact
Skin contact
Ingestion

>5,000 mg/kg (rat)
>2,000 mg/kg (rat)
>2.03 mg/L (rat: 4 hours)
Irritation clearing in 48 hours. (rabbit).
Non-sensitizer. (guinea pig).
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
Respiratory or skin sensitization
Carcinogenicity
Reproductive toxicity
STOT - single exposure
STOT - repeated exposure
Aspiration hazard

Not considered dermal irritant.
Non-sensitizer. (guinea pig).
This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.
No information available.
No information available.
No information available.
12. ECOLOGICAL INFORMATION

Ecotoxicity  
Very toxic to aquatic life with long lasting effects.

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Toxicity to Algae</th>
<th>Toxicity to Fish</th>
<th>Toxicity to Microorganisms</th>
<th>Daphnia Magna (Water Flea)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Permethrin</td>
<td>-</td>
<td>96h LC50: = 2200 mg/L</td>
<td></td>
<td>96h LC50: = 2.6 mg/L</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(Pimephales promelas)</td>
<td></td>
<td></td>
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</tbody>
</table>

Persistence and Degradability  
No information available.

Bioaccumulation

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Log Pow</th>
</tr>
</thead>
<tbody>
<tr>
<td>Permethrin</td>
<td>6.5</td>
</tr>
<tr>
<td>Supplier Trade Secret</td>
<td>3.63</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS-No</th>
<th>Percent</th>
<th>SARA 313 - Threshold Values %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Permethrin</td>
<td>52645-53-1</td>
<td>0.5%</td>
<td>1.0</td>
</tr>
</tbody>
</table>

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

Revision Date  11-Oct-2018
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