

# SAFETY DATA SHEET

Sawyer®

Distributed by  
**Rainbow Technology Corp.**  
Tel: 1.800.637.6047 / 205.733.0333  
RTC Products #45131

## Section 1. Identification

**Product identifier** : SAWYER PREMIUM INSECT REPELLENT 20% PICARIDIN

**Material Number** : SP541, SP543, SP544

**Identified uses** : Topical Insect Repellent

**Supplier/Manufacturer** SAWYER PRODUCTS, Inc.  
PO Box 188  
Safety Harbor, FL 34695  
USA

For information: US/Canada (800) 356.7811  
International +1 727.725.1177

**In case of emergency** : Chemtrec (800) 424-9300  
International (703) 527-3887  
Lanxess Emergency Phone (800) 410-3063.

## Section 2. Hazards identification

**Physical state** : Liquid.

**Hazard pictograms** :



**Signal word** : Warning

**Hazard statements**

H225 - Highly flammable liquid and vapor  
H302 - Harmful if swallowed  
H319 - Causes eye irritation

**Precautionary statements** P210 – Keep away from heat/sparks/open flame/hot surfaces - No smoking  
P233+234 - Keep container tightly closed. Keep in original container  
P403 - Store in a well-ventilated place  
P102 - Keep out of the reach of children.  
P305+P351+P338 - 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 the eye.  
P301+330+331+315 - IF SWALLOWED: Call a physician or Poison Control Center 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 doctor. Do not give anything to an unconscious person.

- Disposal** : Dispose of contents and container in accordance with all local, regional, national and international regulations.
- Supplemental label elements** : Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials and food and drink.

### Section 3. Composition/information on ingredients

**Substance/mixture** : Mixture

Ingredient name	%	CAS number
Picaridin, 1-Methylpropyl-2-(2-hydroxyethyl)-1-piperidine carboxylate	20	119515-38-7
Ethanol	27 - 33%	64-17-5

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

**There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health and hence require reporting in this section.**

Occupational exposure limits, if available, are listed in Section 8.

### Section 4. First aid measures

#### Description of first aid measures

**Eye contact** : Not a direct hazard. Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

**Inhalation** : Not a direct hazard. Move to fresh air and keep at rest. Call a physician if symptoms develop and persist.

**Skin contact** : Not a direct hazard. Get medical attention if needed.

**Ingestion** : Not considered dangerous. Rinse mouth. Do not induce vomiting without advice from poison control center. If vomiting occurs, keep head low to avoid getting into the lungs. Call a poison control center if large amounts are ingested. Never give anything by mouth to an unconscious person.

#### Potential acute health effects

**Eye contact** : Causes eye irritation.

## Section 5. Fire-fighting measures

### Extinguishing media

**Suitable extinguishing media** : Use dry chemical, CO<sub>2</sub>, water spray (fog) or foam.

**Unsuitable extinguishing media** : Do not use water jet.

**Specific hazards arising From the chemical** : Flammable liquid and vapor. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Runoff to sewer may create fire or explosion hazard.

**Hazardous thermal Decomposition products** : Decomposition products may include the following materials:  
carbon dioxide  
carbon monoxide  
nitrogen oxide

**Special protective actions For fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool. If this is impossible, withdraw from area and allow fire to burn. Fight fire from protected location or maximum possible distance.

**Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## Section 6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

**Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

## Methods and materials for containment and cleaning up

: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal. Prevent entry into sewers, water courses, basements or confined areas

## Section 7. Handling and storage

### Precautions for safe handling

#### Advice for safe handling

For personal protection see section 8.  
Smoking, eating and drinking should be prohibited in the application area.  
Dispose of rinse water in accordance with local regulations.

#### Conditions for safe storage

Keep product in its original container.  
Keep container tightly closed.  
Store this product in a cool, dry place away from heat or direct sunlight.

## Section 8. Exposure controls/personal protection

### Occupational exposure limits

Ingredient name	Exposure limits
Ethanol	<b>ACGIH TLV (United States, 4/2014).</b> STEL: 1000 ppm 15 minutes. <b>OSHA PEL (United States, 2/2013).</b> TWA: 1000 ppm 8 hours. TWA: 1900 mg/m <sup>3</sup> 8 hours.

### Appropriate engineering controls

: General ventilation is usually adequate. When handling large quantities of concentrated product; Use local exhaust ventilation, if necessary.

### Personal protection

#### Eye/face protection

: safety glasses with side-shields

#### Medical Surveillance

: Not available

## Section 9. Physical and chemical properties

<b>Physical state</b>	: Liquid.
<b>Color</b>	: Colorless, clear
<b>Odor</b>	: Not available.
<b>Odor threshold</b>	: Not available.
<b>pH</b>	: 4.96
<b>Boiling point</b>	: >35 °C (1013 hPa)
<b>Melting point</b>	: Not available.
<b>Flash point</b>	: Closed cup: 26°C (78.8°F)
<b>Evaporation rate</b>	: Not available.
<b>Explosion limits</b>	: Not available.
<b>Vapor pressure</b>	: Not available.
<b>Density</b>	: 0.982 g/ml
<b>Specific gravity (Relative density)</b>	: Not available.
<b>Solubility</b>	: Easily soluble in the following materials: cold water
<b>Partition coefficient: n-octanol/water</b>	: Not available.
<b>Vapor density</b>	: Not available.
<b>Viscosity</b>	: 7.863 (20 °C), 4.005 (40 °C)
<b>Auto-ignition temperature</b>	: Not available.
<b>Decomposition temperature</b>	: Not available.

## Section 10. Stability and reactivity

<b>Chemical stability</b>	: The product is stable.
<b>Possibility of hazardous Reactions</b>	: Under normal conditions of storage and use, hazardous reactions will not occur.
<b>Conditions to avoid</b>	: Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.
<b>Incompatible materials</b>	: Reactive or incompatible with the following materials: oxidizing materials.
<b>Hazardous decomposition Products</b>	: Under normal conditions of storage and use, hazardous decomposition products should not be produced

## Section 11. Toxicological information

**Information on the likely routes of exposure** : Eye contact. Ingestion.

### Potential acute health effects

**Eye contact** : Causes eye irritation.  
**Ingestion** : May be harmful if swallowed.

### Information on toxicological effects

**Acute oral toxicity** : >5,000 mg/kg (rat)  
**Acute dermal toxicity** : >5,000 mg/kg (rat)  
**Acute inhalation toxicity** : LC50 – 4.36 mg/l  
**Primary eye irritation** : moderately irritating to eye (rabbit)  
**Primary dermal irritation** : Not a dermal irritant (rabbit)  
**Dermal sensitization** : Not sensitizing (guinea pig)  
**Carcinogenicity** : No known significant effects or critical hazards.  
**Mutagenicity** : No known significant effects or critical hazards.  
**Teratogenicity** : No known significant effects or critical hazards.  
**Developmental effects** : No known significant effects or critical hazards.  
**Fertility effects** : No known significant effects or critical hazards.

## Section 12. Ecological information

**Mobility** : No data available.  
**Biodegradability** : Ethanol is expected to be biodegradable.  
**Bioaccumulation** : No data available.  
**Toxicity** : Ethanol is not classified as harmful or toxic to aquatic life. LC50 Fish (*Leuciscus idus*) 4,600 mg/L (96hr).




## Section 13. Disposal considerations

**Disposal methods** : Do not reuse any empty containers.  
**US:** This product is a hazardous liquid waste (D001) as defined in Resource Conservation Recovery Act Regulations (40 CFR 261) and should be disposed of according to local, state and Federal regulations. Dispose of partially filled and empty containers by wrapping and discarding in trash.

**International:** This product should not be disposed of via the drains or by landfill. Disposal must be in accordance with current national and local regulations. Chemical residues generally count as special waste, and their disposal may be regulated in the EC member countries through corresponding laws and regulations. We recommend that you contact either the authorities or approved waste disposal companies who will advise you on how to dispose of special waste.

**RCRA classification**

This product is defined as a hazardous waste (D001).

<b>Section 14. Transport information</b>						
<b>Regulatory information</b>	<b>UN number</b>	<b>Proper shipping name</b>	<b>Classes</b>	<b>PG*</b>	<b>Label</b>	<b>Additional information</b>
<b>DOT Classification</b>	UN1170	Ethanol solutions	3	III		24, B1, IB3, T2, TP1
<b>IMDG Class</b>	UN1170	ETHANOL SOLUTION	3	III		<b>Emergency schedules (EmS)</b> F-E, S-D
<b>IATA-DGR Class</b>	UN1170	ETHANOL SOLUTION	3	III		<b>Passenger aircraft</b> 355: 60 L <b>Cargo aircraft</b> 366: 220 L

PG\* : Packing group

RQ : 0 lbs

**Section 15. Regulatory information**

**SARA 311/312** : None

**SARA Title III Section 302 Extremely Hazardous Substances** : None

**SARA Title III Section 313 Toxic Chemicals** : None

**US EPA CERCLA Hazardous Substances (40 CFR 302)** : None

**State regulations**

The following chemicals are specifically listed by individual states; other product specific health and safety data in other sections on the SDS may also be applicable for state requirements. For details on your regulatory requirements you should contact the appropriate agency in your state.

SAWYER PREMIUM INSECT REPELLENT 20% PICARIDIN

<u>Ingredient name</u>	<u>CAS number</u>	<u>State Code</u>	<u>Concentration</u>
Ethanol	64-17-5	MA - S, NJ - HS, PA - RTK HS	27 - 33%
Water	7732-18-5		30 - 36%
Polyethylene Glycol	25322-68-3		18 - 24%
1-Piperidinecarboxylic Acid, 2-(2-hydroxyethyl)-, 1-methylpropylester	119515-38-7		17 - 23%

Massachusetts Substances: MA – S  
 Massachusetts Extraordinary Hazardous Substances: MA - Extra HS  
 New Jersey Hazardous Substances: NJ - HS  
 Pennsylvania RTK Hazardous Substances: PA - RTK HS  
 Pennsylvania Special Hazardous Substances: PA - Special HS

**California Prop. 65**

To the best of our knowledge, this product does not contain any of the listed chemicals, which the state of California has found to cause cancer, birth defects or other reproductive harm.

**U.S. Toxic Substances Control Act** : Not listed on TSCA Inventory, for R&D Use Only, Section 5 (h)(3) limitations apply.

**Section 16. Other information**

<b>Hazardous Material Information System</b>	:	<b>Health</b>	*	1
		<b>Flammability</b>		3
		<b>Physical hazards</b>		0

0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme  
 \*=Chronic

The customer is responsible for determining the PPE code for this material. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

**National Fire Protection Association (U.S.A.)** :



0= Minimal 1=Slight 2=Moderate 3=Serious 4=Severe

LANXESS' method of hazard communication is comprised of Product Labels and Safety Data Sheets. HMIS and NFPA ratings are provided by LANXESS as a customer service.



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Product Safety and Regulatory Affairs

▣ Indicates information that has changed from previously issued version.

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