

1 IDENTIFICATION OF THE PREPARATION AND COMPANY

Product Name: Sawyer Family Insect Repellent Controlled Release
 EPA Reg. No.: 82810-1-58188
 Product Code: SP532, SP533, SP533B, SP534
 Application: Insect Repellent – Personal Application, Controlled Release Low DEET Absorption
 Supplier: Sawyer Products, Inc.
 605 7th Avenue North
 P.O. Box 188
 Safety Harbor, FL 34695
 E-mail: feedback@sawyer.com
 Website: http://sawyer.com
 Telephone Number: 800-356-7811 (M-F, 9-5, EST)

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: May cause irritation to skin in rare cases. May cause mild irritation to the eyes.:

Information of Hazardous Substances:

Substance Name	Concentration	CAS Number	EC Number	Symbols	R-Phrases
DEET (N,N-Diethyl-m-toluamide)	30.0% w/w	134-62-3	205-149-7	Xn	R22, R36/38

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 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.

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 eyes. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

Environmental Precautions: Do not contaminate water when disposing of equipment washwaters.

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: None.

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.

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: Lotion
 Color: White
 Odor: Slight (Characteristic DEET)
 pH: 7.1 – 7.25
 Flash Point (TCC): >170°F (>76°C)
 Specific Gravity: 0.98
 Solubility (Oil): Negligible
 Solubility (Water): Miscible
 Shelf Life: 4-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: May cause redness and pain.
 Absorbed through skin: None.
 Swallowed: May cause a feeling of sickness and vomiting.
 Health effects or risk from exposure: Acute: *None established* Chronic: *None established*

12 ECOLOGICAL INFORMATION*

No Ecotoxicological research has been carried out on this product.

Eco Toxicity: Data given in this section are for the pure active ingredient

EC50 (48h) Daphnia = 56 - 100 ppm, LC50 (96h) *Oncorhynchus mykiss* (rainbow trout) = 71.25 ppm, LC50 (96h) *Pimephales promelas* (fathead minnow) = 110 mg/L, LC50 *Colinus virginianus* (Northern bobwhite quail) = 1375 mg/kg.

Mobility: Not specified.

Persistence – degradability: Data given in this section are for the pure active ingredient: No data available Not expected to bioaccumulate. Modeling suggests rapid degradation in the atmosphere; biodegradation data suggests moderate rate of biodegradation.

Bioaccumulative potential: Not specified.

**Extrapolated from pure active ingredient*

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.

16 OTHER INFORMATION

Prepared in accordance with OSHA Hazard Communication Standard (HCS2012) to conform to the United Nations' Globally Harmonized System of Classification and Labelling of Chemicals (GHS Purple Book Standards).

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

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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.

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