

Material Safety Data Sheet

according to ANSI Z400.1- 2004 and 29 CFR 1910.1200



OFF!® DEEP WOODS® PUMP SPRAY INSECT REPELLENT 4

Version 2.

Print Date 01/14/2009

Revision Date 01/14/2009

MSDS Number 350000004259

1. PRODUCT AND COMPANY IDENTIFICATION

Product information

Trade name : OFF!® DEEP WOODS® PUMP SPRAY INSECT REPELLENT 4

Use of the Substance/Preparation : Insect Repellent

Company : S.C. Johnson and Son, Limited
1 Webster Street
Brantford ON N3T 5R1

Emergency telephone : 24 Hour Transport & Medical Emergency Phone (866) 231-5406
24 Hour International Emergency Phone (952) 852-4647
24 Hour Canadian Transport Emergency Phone (CANUTEC) (613) 996-6666

2. HAZARDS IDENTIFICATION

Emergency Overview

Appearance / Odor : light yellow / liquid / pleasant

Immediate Concerns

: Caution
Flammable. Keep away from heat, sparks and flame. Irritating to eyes. Avoid contact with skin, eyes and clothing.

Potential Health Effects

Routes of exposure : Eye, Skin, Inhalation, Ingestion.

Eyes : May cause:
Moderate eye irritation

Skin : Prolonged or repeated contact may dry skin and cause irritation.
May cause skin reactions in rare cases.

Inhalation : Inhalation may cause central nervous system effects.
May cause nose, throat, and lung irritation.

Ingestion : May be harmful if swallowed.
Causes headache, drowsiness or other effects to the central nervous system.

Aggravated Medical Condition : Persons with pre-existing skin disorders may be more susceptible to irritating effects.

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3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No.	Weight %
Water	7732-18-5	30.00 - 60.00
Ethyl alcohol	64-17-5	30.00 - 60.00
N,N-Diethyl-m-toluamide	134-62-3	25.00

4. FIRST AID MEASURES

- Eye contact : Flush immediately with plenty of water for at least 15 to 20 minutes. Get medical attention if irritation develops and persists.
- Skin contact : Wash off with soap and water. Get medical attention if irritation develops and persists.
- Inhalation : Remove to fresh air. If breathing is affected, get medical attention.
- Ingestion : Do NOT induce vomiting. Drink 1 or 2 glasses of water. Never give anything by mouth to an unconscious person. Get medical attention immediately.

5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Alcohol foam, carbon dioxide, dry chemical, water fog
- Specific hazards during fire fighting : Container may melt and leak in heat of fire. Material may burn in heat of fire. Burns with colourless flame. Liquid run-off to sewers may create fire/explosion hazard.
- Further information : Fight fire from maximum distance or protected area. Cool and use caution when approaching or handling fire-exposed containers. Wear full protective clothing and positive pressure self-contained breathing apparatus.
- Flash point : 25 °C
Method: Tag Closed Cup (TCC)
- Flash point : 77 °F
Method: Tag Closed Cup (TCC)
- Lower explosion limit : Note: no data available
- Upper explosion limit : Note: no data available

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6. ACCIDENTAL RELEASE MEASURES

- Personal precautions : Remove all sources of ignition.
- Environmental precautions : Use appropriate containment to avoid environmental contamination.
- Methods for cleaning up : Dike large spills.
Soak up with inert absorbent material.
Sweep up and shovel into suitable containers for disposal.

7. HANDLING AND STORAGE

Handling

- Advice on safe handling : Use only as directed.
KEEP OUT OF REACH OF CHILDREN AND PETS.
Avoid contact with skin, eyes and clothing.
- Advice on protection against fire and explosion : Keep away from heat and sources of ignition.
Take measures to prevent the build up of electrostatic charge.
To avoid ignition of vapours by static electricity discharge, all metal parts of the equipment must be grounded.

Storage

- Requirements for storage areas and containers : Keep in a dry, cool and well-ventilated place.
Keep container closed when not in use.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

Components	CAS-No.	mg/m ³	ppm	Basis
Ethyl alcohol	64-17-5	-	1,000 ppm	ACGIH TWA

Personal protective equipment

Respiratory protection

- Industrial setting : Substantial amounts of mist/vapors can be controlled with local exhaust ventilation or respiratory protection.
- Household setting : No personal respiratory protective equipment normally required.

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Hand protection

Industrial setting : For prolonged or repeated contact use protective gloves.

Household setting : not required under normal use

Eye protection

Industrial setting : If prolonged or repeated contact is possible:
Safety glasses with side-shields

Household setting : No special requirements.

Hygiene measures : Use only with adequate ventilation. Wash thoroughly after handling. Wear suitable protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	:	liquid
Color	:	light yellow
Odor	:	pleasant
pH	:	7.5
Boiling point	:	75 °C
Boiling point	:	167 °F
Freezing point	:	no data available
Flash point	:	25 °C Method: Tag Closed Cup (TCC)
Flash point	:	77 °F Method: Tag Closed Cup (TCC)
Evaporation rate	:	no data available
Autoignition temperature	:	no data available
Lower explosion limit	:	no data available
Upper explosion limit	:	no data available
Vapour pressure	:	no data available
Water solubility	:	dispersible

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Partition coefficient: n-
octanol/water : no data available

Specific Gravity : 0.92

Percent volatile : no data available

10. STABILITY AND REACTIVITY

Conditions to avoid : Heat, flames and sparks.

Materials to avoid : Do not mix with oxidizing agents.
Avoid contact with:
Oxidizing agents
Natural Rubber
Plastic
Aluminium

Hazardous decomposition products : When exposed to fire, produces normal products of combustion.

Hazardous reactions : Stable

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity : LD50 rat
Dose: > 2,000 mg/kg

Acute inhalation toxicity : no data available

Acute dermal toxicity : no data available

Chronic effects

Carcinogenicity : no data available

Mutagenicity : no data available

Reproductive effects : no data available

Teratogenicity : no data available

Sensitisation : no data available

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12. ECOLOGICAL INFORMATION

Ecotoxicity effects : Not Available

13. DISPOSAL CONSIDERATIONS

Industrial setting : Observe all applicable Federal, Provincial and State regulations and Local/Municipal ordinances regarding disposal.

Household setting : Consumer may discard empty container in trash, or recycle where facilities exist.

14. TRANSPORT INFORMATION

Land transport

U.S. DOT and Canadian TDG Surface Transportation:

UN-Number 1993
Proper shipping name Flammable liquid, N.O.S. (Ethyl alcohol)
Class: 3
Packaging group: II

Sea transport

IMDG:

Class: 3
Packaging group: II
Proper shipping name Flammable liquid, N.O.S. (Ethyl alcohol)
UN-Number: 1993

Air transport

ICAO/IATA:

Class: 3
Packaging group: II
Proper shipping name Flammable liquid, N.O.S. (Ethyl alcohol)
UN/ID No.: UN 1993

Note: SC Johnson typically does not ship products via air, therefore it has not been determined if the product container meets current IATA/ICAO package criteria. Refer to IATA/ICAO Dangerous Goods Regulations for detailed instructions when shipping this item by air.

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15. REGULATORY INFORMATION

Global Chemical Inventories

Notification status : All ingredients of this product comply with the New Substances Notification requirements under the Canadian Environmental Protection Act (CEPA).

California Prop. 65 : This product is not subject to the reporting requirements under California's Proposition 65.
: This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

EPA Registration Number : **P.C.P. REG. NO. 22258**

16. OTHER INFORMATION

HMIS Ratings

Health	2
Flammability	3
Reactivity	0

NFPA Ratings

Health	2
Fire	3
Reactivity	0
Special	

Further information

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Prepared by:	SC Johnson Global Safety Assessment & Regulatory Affairs (GSARA)
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