

# Material Safety Data Sheet

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



## OFF!® DEEP WOODS® PUMP SPRAY INSECT REPELLENT 4 (REG NO 27112 P.C.P ACT)

Version 2.1

Print Date 03/17/2015

Revision Date 12/16/2013

MSDS Number 350000003966

### 1. PRODUCT AND COMPANY IDENTIFICATION

#### Product information

Trade name : OFF!® DEEP WOODS® PUMP SPRAY INSECT REPELLENT 4 (REG NO 27112 P.C.P ACT)

Use of the Substance/Mixture : Insect Repellent

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

Emergency telephone number : 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 : clear / liquid / pleasant

#### Immediate Concerns

: Warning  
FLAMMABLE:  
CAUSES EYE IRRITATION.  
Keep away from heat, sparks and flame.  
Avoid contact with eyes and lips.  
May be harmful if swallowed.

#### Potential Health Effects

Exposure routes : Eye, Skin, Inhalation, Ingestion.

Eyes : Causes:  
Moderate eye irritation

Skin : May cause skin reactions in rare cases.

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

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

Aggravated Medical : Individuals with chronic respiratory disorders such as asthma,

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Condition chronic bronchitis, emphysema, etc. may be more susceptible to irritating effects  
Do not apply to cuts or irritated skin.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous chemicals present at or above reportable levels as defined by OSHA 29 CFR 1910.1200 or the Canadian Controlled Products Regulations are listed in this table:

Chemical Name	CAS-No.	Weight percent
Ethyl alcohol	64-17-5	30.00 - 60.00
N,N-Diethyl-m-toluamide	134-62-3	10.00 - 30.00

For additional information on product ingredients, see [www.whatsinsidescjohnson.com](http://www.whatsinsidescjohnson.com).

### 4. FIRST AID MEASURES

- Eye contact : Remove contact lenses. 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 immediately with plenty of water. Get medical attention if irritation develops and persists. If you suspect a reaction to this product, discontinue use and remove contaminated clothing.
- Inhalation : Remove to fresh air.
- Ingestion : If swallowed, DO NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.

### 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- Specific hazards during firefighting : Flammable liquid. Vapors are heavier than air and may travel to a source of ignition and flash back. Liquid run-off to sewers may create fire/explosion hazard. Burns with colourless flame. Container may melt and leak in heat of fire. Do not allow run-off from fire fighting to enter drains or water courses.
- Further information : Fight fire from maximum distance or protected area. Cool and

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use caution when approaching or handling fire-exposed containers. For large quantities of flammable liquids, consider containment to prevent the spread of fire. Wear full protective clothing and positive pressure self-contained breathing apparatus. In case of fire and/or explosion do not breathe fumes.

Flash point	:	28.8 °C 83.84 °F
Lower explosion limit	:	Note: no data available
Upper explosion limit	:	Note: no data available

## 6. ACCIDENTAL RELEASE MEASURES

Personal precautions	:	Remove all sources of ignition. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas. Wear personal protective equipment.
Environmental precautions	:	Do not flush into surface water or sanitary sewer system. Use appropriate containment to avoid environmental contamination. Outside of normal use, avoid release to the environment.
Methods for cleaning up	:	Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13). Use only non-sparking equipment. Dike large spills. Clean residue from spill site.

## 7. HANDLING AND STORAGE

### Handling

Advice on safe handling	:	Avoid contact with eyes and lips. Avoid breathing vapours, mist or gas. For personal protection see section 8. Use only as directed. KEEP OUT OF REACH OF CHILDREN AND PETS. Smoking, eating and drinking should be prohibited in the application area.
Advice on protection	:	Keep away from heat and sources of ignition.

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against fire and explosion : Take measures to prevent the build up of electrostatic charge.

### Storage

Requirements for storage areas and containers : Keep away from food, drink and animal feedingstuffs.  
Keep container closed when not in use.  
Keep in a dry, cool and well-ventilated place.

Storage Stability : Stable under recommended storage conditions.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Occupational Exposure Limits

Components	CAS-No.	mg/m3	ppm	Non-standard units	Basis
Ethyl alcohol	64-17-5	-	1,000 ppm	-	ACGIH STEL

### Personal protective equipment

**Respiratory protection** : Use only with adequate ventilation.  
Do not spray in enclosed areas.

**Hand protection** : No special requirements.

**Eye protection** : Safety glasses with side-shields

**Skin and body protection** : No special requirements.

**Hygiene measures** : Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling. Smoking, eating and drinking should be prohibited in the application area.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Form : liquid

Color : clear

Odor : pleasant

pH : 5.3

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Boiling point	:	no data available
Freezing point	:	no data available
Flash point	:	28.8 °C 83.84 °F
Evaporation rate	:	no data available
Flammability (solid, gas)	:	Sustains combustion
Auto-ignition temperature	:	no data available
Lower explosion limit	:	no data available
Upper explosion limit	:	no data available
Vapour pressure	:	no data available
Density	:	0.93 g/cm <sup>3</sup> at 21 °C
Water solubility	:	soluble
Partition coefficient: n-octanol/water	:	no data available
Viscosity, dynamic	:	no data available
Viscosity, kinematic	:	no data available
Volatile Organic Compounds Total VOC (wt. %)*	:	35.7 % - additional exemptions may apply *as defined by US Federal and State Consumer Product Regulations

#### 10. STABILITY AND REACTIVITY

Conditions to avoid	:	Heat, flames and sparks.
Materials to avoid	:	Strong oxidizing agents
Hazardous decomposition products	:	Thermal decomposition can lead to release of irritating gases and vapours.
Hazardous reactions	:	Stable under recommended storage conditions.

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## 11. TOXICOLOGICAL INFORMATION

Acute oral toxicity : LD50  
estimated  
4,103 mg/kg

Acute inhalation toxicity : LC50  
estimated  
> 2.07 mg/l

Acute dermal toxicity : LD50  
estimated  
> 5,000 mg/kg

### Chronic effects

Carcinogenicity : no data available

Mutagenicity : None Anticipated

Reproductive effects : no data available

Teratogenicity : no data available

Sensitisation : Substance is not a sensitizer.

## 12. ECOLOGICAL INFORMATION

Ecotoxicity effects : no data available

## 13. DISPOSAL CONSIDERATIONS

### PESTICIDAL WASTE:

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

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

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RCRA waste class : D001 (Ignitable Waste)

## 14. TRANSPORT INFORMATION

### Land transport

▪ **U.S. DOT and Canadian TDG Surface Transportation:**

Proper shipping name UN 1993 Flammable liquids, N.O.S. 3, III

Class: 3

UN number 1993

Packaging group: III

Note: Limited quantities derogation may be applicable to this product, please check transport documents.

### Sea transport

▪ **IMDG:**

Proper shipping name UN 1993 Flammable liquids, N.O.S. 3, III

Class: 3

UN number: 1993

Packaging group: III

EmS: F-E, S-E

Note: Limited quantities derogation may be applicable to this product, please check transport documents.

### Air transport

▪ **ICAO/IATA:**

Proper shipping name UN 1993 Flammable liquids, N.O.S. 3, III

Class: 3

UN/ID No.: UN 1993

Packaging group: III

Note: SC Johnson typically does not ship products via air. Refer to IATA/ICAO Dangerous Goods Regulations for detailed instructions when shipping this item by air.

## 15. REGULATORY INFORMATION

Notification status : All ingredients of this product are listed or are excluded from listing on the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

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

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California Prop. 65 : This product is not subject to the reporting requirements under California's Proposition 65.  
Canada Regulations : 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.

### 16. OTHER INFORMATION

#### HMIS Ratings

Health	2
Flammability	3
Reactivity	0

#### NFPA Ratings

Health	2
Fire	3
Reactivity	0
Special	-

This information is being provided in accordance with Occupational Safety and Health Administration (OSHA) and Canada's Workplace Hazard Material Information System (WHMIS) regulations. The information supplied is designed for workplaces where product use and frequency of exposure exceeds that established for the labeled consumer use.

#### Further information

This document has been prepared using data from sources considered to be technically reliable. It does not constitute a warranty, expressed or implied, as to the accuracy of the information contained herein. Actual conditions of use are beyond the seller's control. User is responsible to evaluate all available information when using product for any particular use and to comply with all Federal, State, Provincial and Local laws and regulations.

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