

# Material Safety Data Sheet

according to ANSI Z400.1- 2004 and 29 CFR 1910.1226



## OFF!® FAMILYCARE INSECT REPELLENT II - CLEAN FEEL

Version 2.0

Print Date 01/06/2011

Revision Date 12/01/2010

MSDS Number 350000003999

SITE\_FORM Number  
30000000000000003330.002

GEN\_SOF Number 41042

### 1. PRODUCT AND COMPANY IDENTIFICATION

#### Product information

Trade name : OFF!® FAMILYCARE INSECT REPELLENT II - CLEAN FEEL

Use of the Substance/Mixture : Insect Repellent  
Company : S.C. Johnson & Son, Inc.  
1525 Howe Street  
Racine WI 53403-2236

Emergency telephone number : 24 Hour Transport & Medical Emergency Phone (866) 231-5406  
24 Hour International Emergency Phone (952) 852-4647

### 2. HAZARDS IDENTIFICATION

#### Emergency Overview

Appearance / Odor : clear / liquid / Alcohol Odor

#### Immediate Concerns

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

#### Potential Health Effects

Exposure routes : Eye, Skin, Inhalation, Ingestion.

Eyes : Causes:  
Moderate eye irritation

Skin : May cause skin reactions in rare cases.

Inhalation : No adverse effects expected when used as directed.

Ingestion : Causes headache, drowsiness or other effects to the central nervous system.

Aggravated Medical Condition : Do not apply to cuts or irritated skin.

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#### 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
Icaridine	119515-38-7	5.00 - 10.00

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 : No special requirements
- 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. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- Specific hazards during fire fighting : 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. Container may melt and leak in heat of fire. Do not allow run-off from fire fighting to enter drains or water courses. Burns with colourless flame.
- Further information : Fight fire from maximum distance or protected area. Cool and 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

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clothing and positive pressure self-contained breathing apparatus. In case of fire and/or explosion do not breathe fumes.

Flash point : 30 °C  
86 °F  
Method: Tag Closed Cup (TCC)

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.  
For personal protection see section 8.  
Use only as directed.  
KEEP OUT OF REACH OF CHILDREN AND PETS.
- 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.

##### Storage

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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.

Other data : 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	1,900 mg/m3	1,000 ppm	-	OSHA TWA
Ethyl alcohol	64-17-5	-	1,000 ppm	-	ACGIH STEL

#### Personal protective equipment

##### Respiratory protection

Industrial setting : Do not spray in enclosed areas.

Household setting : Use only with adequate ventilation.

**Hand protection** : No special requirements.

##### Eye protection

Industrial setting : Safety glasses with side-shields

Household setting : Avoid contact with eyes.

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

**Hygiene measures** : Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

Form : liquid

Color : clear

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Odor	:	Alcohol Odor
pH	:	8.5
Boiling point	:	no data available
Freezing point	:	no data available
Flash point	:	30 °C 86 °F Method: Tag Closed Cup (TCC)
Evaporation rate	:	no data available
Flammability (solid, gas)	:	Sustains combustion
Autoignition temperature	:	no data available
Lower explosion limit	:	no data available
Upper explosion limit	:	no data available
Vapour pressure	:	no data available
Density	:	0.95 - 0.96 g/cm <sup>3</sup>
Water solubility	:	soluble
Partition coefficient: n-octanol/water	:	no data available
Viscosity, dynamic	:	no data available
Viscosity, kinematic	:	no data available
Volatile Organic Compounds (California Air Resource Board – CARB) Total VOC (wt. %)	:	31 % - does not include any applicable regulatory exemptions

#### 10. STABILITY AND REACTIVITY

Conditions to avoid	:	Heat, flames and sparks.
Materials to avoid	:	Strong oxidizing agents Strong acids

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Hazardous decomposition products : Thermal decomposition can lead to release of irritating gases and vapours.

Hazardous reactions : Stable under recommended storage conditions.

#### 11. TOXICOLOGICAL INFORMATION

Acute oral toxicity : LD50  
estimated  
> 5,050 mg/kg

Acute inhalation toxicity : no data available

Acute dermal toxicity : LD50  
estimated  
> 5,020 mg/kg

##### Chronic effects

Carcinogenicity : no data available

Mutagenicity : no data available

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.

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

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 LIQUID N.O.S. (ethanol), 3, III

|||Class: 3

UN number 1993

|||Packaging group: III

Note: SC Johnson ships this product as Consumer Commodity ORM-D (non-bulk packages)

#### Sea transport

▪ **IMDG:**

Proper shipping name UN 1993 FLAMMABLE LIQUID N.O.S. (ethanol), 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 LIQUID N.O.S. (ethanol), 3, III

|||Class: 3

UN/ID No.: UN 1993

|||Packaging group: III

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.

### 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.

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California Prop. 65 : This product is not subject to the reporting requirements under California's Proposition 65.  
**Registration # / Agency**  
4822-536/EPA

### 16. OTHER INFORMATION

#### HMIS Ratings

Health	2
Flammability	3
Reactivity	0

#### NFPA Ratings

Health	2
Fire	3
Reactivity	0
Special	

#### 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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