

## Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



# OFF!® FAMILYCARE INSECT REPELLENT II - CLEAN FEEL

Version 1.2

Print Date 05/01/2016

Revision Date 04/08/2016

SDS Number 350000003999

## 1. PRODUCT AND COMPANY IDENTIFICATION

### Product information

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

**Recommended use** : Insect Repellent

**Manufacturer, importer, supplier** : S.C. Johnson & Son, Inc.  
1525 Howe Street  
Racine WI 53403-2236

**Telephone** : +18005585252  
**Emergency telephone number** : 24 Hour Medical Emergency Phone: (866)231-5406  
24 Hour International Emergency Phone: (703)527-3887  
24 Hour Transport Emergency Phone: (800)424-9300

## 2. HAZARDS IDENTIFICATION

### Classification of the substance or mixture

#### Globally Harmonized System (GHS) Classification

Hazard classification	Hazard category	Hazards identification
Flammable liquids	Category 3	Flammable liquid and vapour.

### Labelling

#### Hazard symbols

Flame

#### Signal word

Warning

#### Hazard statements

Flammable liquid and vapour.

#### Precautionary statements

In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.

If skin irritation or rash occurs:

Wash with plenty of soap and water.

Take off contaminated clothing and wash before reuse.

Store in a well-ventilated place. Keep cool.

Dispose of contents/ container to an approved incineration plant.

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Keep away from heat/sparks/open flames/hot surfaces. No smoking.  
Keep container tightly closed.  
Use only non-sparking tools.  
Take precautionary measures against static discharge.  
Use explosion-proof electrical/ ventilating/ lighting/ equipment.  
**Other hazards** : None identified

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No.	Weight percent
Ethyl alcohol	64-17-5	30.00 - 60.00
Icaridine	119515-38-7	5.00 - 10.00

The specific chemical identity and/or exact percentage (concentration) of this composition has been withheld as a trade secret.

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

## 4. FIRST AID MEASURES

**Eye contact** : No special requirements

**Skin contact** : If you suspect a reaction to this product, discontinue use and remove contaminated clothing. Wash off with soap and water.

**Inhalation** : No special requirements.

**Ingestion** : No special requirements

## 5. FIREFIGHTING MEASURES

**Suitable extinguishing media** : Alcohol foam, carbon dioxide, dry chemical, water fog

**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. Do not use a solid water

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stream as it may scatter and spread fire. 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 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.

## 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.  
Wash thoroughly after handling.

**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 and materials for containment and cleaning up** : Soak up with inert absorbent material.  
Use only non-sparking equipment.  
Dike large spills.  
Clean residue from spill site.

## 7. HANDLING AND STORAGE

**Handling**

**Precautions for 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 sources of ignition - No smoking.  
Take measures to prevent the build up of electrostatic charge.

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Use only non-sparking tools.  
Use explosion-proof equipment.

### Storage

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

**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** : Do not spray in enclosed areas.

**Hand protection** : not required under normal use  
For prolonged or repeated contact use protective gloves.

**Eye protection** : No special requirements.  
If prolonged or repeated contact is possible:  
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.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

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<b>Form</b>	: liquid
<b>Color</b>	: clear
<b>Odor</b>	: Alcohol Odor
<b>Odour Threshold</b>	: No data available
<b>pH</b>	: 6.95 at (20 °C)
<b>Melting point/freezing point</b>	: No data available
<b>Initial boiling point and boiling range</b>	: No data available
<b>Flash point</b>	: 30 °C 86 °F Method: Tag Closed Cup (TCC)
<b>Evaporation rate</b>	: No data available
<b>Flammability (solid, gas)</b>	: Sustains combustion
<b>Upper/lower flammability or explosive limits</b>	: No data available
<b>Vapour pressure</b>	: No data available
<b>Vapour density</b>	: No data available
<b>Relative density</b>	: 0.95 - 0.96 g/cm3 at 20 °C

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<b>Solubility(ies)</b>	: practically insoluble	
<b>Partition coefficient: n-octanol/water</b>	: No data available	
<b>Auto-ignition temperature</b>	: No data available	
<b>Decomposition temperature</b>	: No data available	
<b>Viscosity, dynamic</b>	: No data available	
<b>Viscosity, kinematic</b>	: No data available	
<b>Oxidizing properties</b>	: No data available	
<b>Volatile Organic Compounds Total VOC (wt. %)*</b>	: 31.1 % - additional exemptions may apply *as defined by US Federal and State Consumer Product Regulations	
<b>Other information</b>	: None identified	:

#### 10. STABILITY AND REACTIVITY

<b>Possibility of hazardous reactions</b>	: If accidental mixing occurs and toxic gas is formed, exit area immediately. Do not return until well ventilated.
<b>Conditions to avoid</b>	: Heat, flames and sparks.
<b>Incompatible materials</b>	: Strong oxidizing agents Do not mix with bleach or any other household cleaners. Strong bases

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

#### 11. TOXICOLOGICAL INFORMATION

**Emergency Overview** : Warning

**Acute oral toxicity** :

**Acute inhalation toxicity** :

**Acute dermal toxicity** :

GHS Properties	Classification	Routes of entry
Acute toxicity	No classification proposed	-
Skin corrosion/irritation	No classification proposed	-
Serious eye damage/eye irritation	No classification proposed	-
Skin sensitisation	No classification proposed	-
Respiratory sensitisation	No classification proposed	-
Germ cell mutagenicity	No classification proposed	-
Carcinogenicity	No classification proposed	-
Reproductive toxicity	No classification proposed	-
Specific target organ toxicity - single exposure	No classification proposed	-
Specific target organ toxicity - repeated exposure	No classification proposed	-
Aspiration hazard	No classification proposed	-

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

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**12. ECOLOGICAL INFORMATION****Product :** The product itself has not been tested.**Toxicity**

The ingredients in this formula have been reviewed and no adverse impact to the environment is expected when used according to label directions.

**Toxicity to fish**

Components	End point	Species	Value	Exposure time
Ethyl alcohol	LC50	Fish	11,200 mg/l	96 h
Icaridine	LC50	Oncorhynchus mykiss (rainbow trout)	173 mg/l	96 h

**Toxicity to aquatic invertebrates**

Components	End point	Species	Value	Exposure time
Ethyl alcohol	static test LC50	Ceriodaphnia dubia	5,012 mg/l	48 h
	NOEC	Daphnia magna	9.6 mg/l	9 d
Icaridine	EC50	Daphnia magna (Water flea)	> 100 mg/l	48 h



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	NOEC	Daphnia magna (Water flea)	50 mg/l	21 d
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**Toxicity to aquatic plants**

Components	End point	Species	Value	Exposure time
Ethyl alcohol	Static EC50	Chlorella vulgaris (Fresh water algae)	275 mg/l	72 h
Icaridine	IC50	Desmodesmus subspicatus (green algae)	72.5 mg/l	72 h

**Persistence and degradability**

Component	Biodegradation	Exposure time	Summary
Ethyl alcohol	97 %	28 d	Readily biodegradable
Icaridine	< 1 %	28 d	Not readily biodegradable.

**Bioaccumulative potential**

Component	Bioconcentration factor (BCF)	Partition Coefficient n-Octanol/water (log)
Ethyl alcohol	3.2 estimated	-0.35 Measured
Icaridine	No data available	No data available

**Mobility**

Component	End point	Value
Ethyl alcohol	No data available	
Icaridine	No data available	

**PBT and vPvB assessment**

Component	Results
Ethyl alcohol	Not fulfilling PBT and vPvB criteria

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Icaridine	Not fulfilling PBT and vPvB criteria

**Other adverse effects** : None known.**13. DISPOSAL CONSIDERATIONS****PESTICIDAL WASTE:**

For disposal information, please read and follow Disposal instructions on the pesticide label.

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

**14. TRANSPORT INFORMATION**

Please refer to the Bill of Lading/receiving documents for up-to-date shipping information.

	<b>Land transport</b>	<b>Sea transport</b>	<b>Air transport</b>
<b>UN number</b>	1170	1170	1170
<b>UN proper shipping name</b>	UN 1170 Ethanol Solution (Ethyl Alcohol Solution), 3, III	UN 1170 Ethanol Solution (Ethyl Alcohol Solution), 3, III	UN 1170 Ethanol Solution (Ethyl Alcohol Solution), 3, III
<b>Transport hazard class(es)</b>	3	3	3
<b>Packing group</b>	III	III	III
<b>Environmental hazards</b>	-	-	-
<b>Special precautions for user</b>	Limited quantities derogation may be applicable to this product, please check transport documents.	Limited quantities derogation may be applicable to this product, please check transport documents.	Limited quantities derogation may be applicable to this product, please check transport documents.

**15. REGULATORY INFORMATION****FIFRA Labeling**

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This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals.

Following is the hazard information as required on the pesticide label:

### CAUTION:

Causes moderate eye irritation.

May cause skin reactions in rare cases.

Flammable.

**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.

**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

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**NFPA Ratings**

<b>Health</b>	2
<b>Fire</b>	3
<b>Reactivity</b>	0
<b>Special</b>	-

This information is being provided in accordance with the Occupational Safety and Health Administration (OSHA) regulation (29 CFR 1910.1200). 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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