

# Material Safety Data Sheet

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



## OFF!® BUG CONTROL BACKYARD PRETREAT

Version 1.0

Print Date 08/05/2011

Revision Date 04/01/2011

MSDS Number 350000017168

SITE\_FORM Number  
3000000000000012660.001

### 1. PRODUCT AND COMPANY IDENTIFICATION

#### Product information

Trade name : OFF!® BUG CONTROL BACKYARD PRETREAT

Use of the Substance/Mixture : Insecticide

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 : light yellow / liquid / strong unpleasant

#### Immediate Concerns

: Caution  
CAUSES EYE IRRITATION.  
Avoid contact with skin, eyes and clothing.  
Avoid breathing vapors, mist or gas.  
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.  
Prolonged or repeated contact may dry skin and cause irritation.

Inhalation : May cause nose, throat, and lung irritation.

Ingestion : May cause irritation to mouth, throat and stomach.  
May cause abdominal discomfort.  
Harmful if swallowed.

Aggravated Medical Condition : Persons with pre-existing skin disorders may be more susceptible to irritating effects.  
Individuals with chronic respiratory disorders such as asthma, chronic bronchitis, emphysema, etc. may be more susceptible

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to irritating effects.

### 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
Propylene glycol	57-55-6	1.00 - 5.00
Naphtha (petroleum), heavy aromatic	64742-94-5	1.00 - 5.00
.lambda.-cyhalothrin	91465-08-6	0.10 - 1.00

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 : Rinse with plenty of water. Get medical attention if irritation develops and persists.
- 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. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- Specific hazards during fire fighting : 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. Wear full protective clothing and positive pressure self-contained breathing apparatus. In case of fire and/or explosion do not breathe fumes.
- Flash point : Note: not applicable

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Lower explosion limit : Note: no data available

Upper explosion limit : Note: no data available

### 6. ACCIDENTAL RELEASE MEASURES

Personal precautions : 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 : Soak up with inert absorbent material.  
Sweep up and shovel into suitable containers for disposal.  
Dike large spills.  
Clean residue from spill site.

### 7. HANDLING AND STORAGE

#### Handling

Advice on safe handling : Avoid contact with skin, eyes and clothing.  
Do not enter places where used or stored until adequately ventilated.  
Avoid breathing vapors, 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 against fire and explosion : Normal measures for preventive fire protection.

#### 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.

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#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

##### Occupational Exposure Limits

ACGIH or OSHA exposure limits have not been established for this product or reportable ingredients unless noted in the table above.

##### Personal protective equipment

###### *Respiratory protection*

Industrial setting : Use only with adequate ventilation.  
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. Smoking, eating and drinking should be prohibited in the application area.

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

Form : liquid

Color : light yellow

Odor : strong  
unpleasant

pH : 6.5  
at 25 °C

Boiling point : no data available

Freezing point : no data available

Flash point : not applicable

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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
Density	:	1.00 g/cm <sup>3</sup> at 20 °C
Water solubility	:	soluble
Viscosity, dynamic	:	not determined
Viscosity, kinematic	:	< 100 mm <sup>2</sup> /s at 25 °C
Volatile Organic Compounds (California Air Resource Board – CARB) Total VOC (wt. %)	:	1.2 % - does not include any applicable regulatory exemptions

#### 10. STABILITY AND REACTIVITY

Conditions to avoid	:	Direct sources of heat. Heat, flames and sparks.
Materials to avoid	:	Strong acids and strong bases
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 Oral estimated 1,750 mg/kg
Acute inhalation toxicity	:	LC50 estimated > 2.05 mg/l

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Acute dermal toxicity : LD50 Dermal  
estimated  
> 5,000 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 : Very toxic to aquatic organisms.

#### 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.

#### 14. TRANSPORT INFORMATION

##### Land transport

##### U.S. DOT and Canadian TDG Surface Transportation:

Proper shipping name UN 3352 Pyrethroid Pesticide, Liquid, Toxic (Metofluthrin) 6.1, III,  
Ltd. Qty.

Class: 6.1

UN number 3352

Packaging group: III

Note:

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### Sea transport

▪ *IMDG:*

Proper shipping name UN 3352 Pyrethroid Pesticide, Liquid, Toxic (Metofluthrin) 6.1, III, Ltd. Qty.

Class: 6.1

UN number: 3352

Packaging group: III

EmS: F-A, S-A

Note:

### Air transport

▪ *ICAO/IATA:*

Proper shipping name UN 3352 Pyrethroid Pesticide, Liquid, Toxic (Metofluthrin) 6.1, III, Ltd. Qty.

Class: 6.1

UN/ID No.: UN 3352

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.

California Prop. 65 : This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

**Registration # / Agency**

4-469-4822/US/EPA

## 16. OTHER INFORMATION

### HMIS Ratings

Health	2
Flammability	0
Reactivity	0

### NFPA Ratings

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

### 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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