

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



OFF!® CLIP-ON™ MOSQUITO REPELLENT

Version 1.1

Print Date 03/04/2015

Revision Date 02/23/2015

SDS Number 350000010208

1. PRODUCT AND COMPANY IDENTIFICATION

Product information

Product name : OFF!® CLIP-ON™ MOSQUITO REPELLENT

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

This product does not meet the criteria for classification in any hazard class according to regulation OSHA 29 CFR 1910.1200.

Labelling

Precautionary statements

Other hazards : None identified

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No.	Weight percent
Metofluthrin	240494-70-6	30.00 - 60.00

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.

4. FIRST AID MEASURES

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



OFF!® CLIP-ON™ MOSQUITO REPELLENT

Version 1.1

Print Date 03/04/2015

Revision Date 02/23/2015

SDS Number 350000010208

Eye contact	: No special requirements
Skin contact	: If you suspect a reaction to this product, discontinue use and remove contaminated clothing.
Inhalation	: No special requirements.
Ingestion	: No special requirements

5. FIREFIGHTING MEASURES

Suitable extinguishing media	: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Specific hazards during firefighting	: 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.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	: 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	: Sweep up and shovel into suitable containers for disposal. Clean residue from spill site.

7. HANDLING AND STORAGE

Handling	
Precautions for safe	: Avoid contact with eyes and lips.

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



OFF!® CLIP-ON™ MOSQUITO REPELLENT

Version 1.1

Print Date 03/04/2015

Revision Date 02/23/2015

SDS Number 350000010208

handling

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

: Normal measures for preventive fire protection.

Storage

Requirements for storage areas and containers

: Keep away from food, drink and animal feedingstuffs.
Keep in a dry, cool and well-ventilated place.

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

: Do not spray in enclosed areas.

Hand protection

: No special requirements.

Eye protection

: No special requirements.

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 absorbed by inert carrier material

Color

: white

Odor

: odourless

Odour Threshold

: Test not applicable for this product type

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



OFF!® CLIP-ON™ MOSQUITO REPELLENT

Version 1.1

Print Date 03/04/2015

Revision Date 02/23/2015

SDS Number 350000010208

pH : Test not applicable for this product type

Melting point/freezing point : Test not applicable for this product type

Initial boiling point and boiling range : Test not applicable for this product type

Flash point : Test not applicable for this product type

Evaporation rate : Test not applicable for this product type

Flammability (solid, gas) : Does not sustain combustion.

Upper/lower flammability or explosive limits : Test not applicable for this product type

Vapour pressure : Test not applicable for this product type

Vapour density : Test not applicable for this product type

Relative density : Test not applicable for this product type

Solubility(ies) : Test not applicable for this product type

Partition coefficient: n-octanol/water : Test not applicable for this product type

Auto-ignition temperature : Test not applicable for this product type

Decomposition temperature : Test not applicable for this product type

Viscosity, dynamic : Test not applicable for this product type

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



OFF!® CLIP-ON™ MOSQUITO REPELLENT

Version 1.1

Print Date 03/04/2015

Revision Date 02/23/2015

SDS Number 350000010208

Viscosity, kinematic	: Test not applicable for this product type	
Oxidizing properties	: Test not applicable for this product type	
Volatile Organic Compounds	: 1.3 % - additional exemptions may apply	
Total VOC (wt. %)*	*as defined by US Federal and State Consumer Product Regulations	
Other information	: None identified	:

10. STABILITY AND REACTIVITY

Possibility of hazardous reactions	: Stable under recommended storage conditions.
Conditions to avoid	: Direct sources of heat.
Incompatible materials	: None known.
Hazardous decomposition products	: Thermal decomposition can lead to release of irritating gases and vapours.

11. TOXICOLOGICAL INFORMATION

Emergency Overview	: This product does not meet the criteria for classification in any hazard class according to regulation OSHA 29 CFR 1910.1200.
Acute oral toxicity	: LD50 estimated > 2,000 mg/kg
Acute inhalation toxicity	: LC50 estimated > 1.08 mg/l

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200

**OFF!® CLIP-ON™ MOSQUITO REPELLENT**

Version 1.1

Print Date 03/04/2015

Revision Date 02/23/2015

SDS Number 350000010208

Acute dermal toxicity : LD50
estimated
> 2,000 mg/kg

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.

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
------------	-----------	---------	-------	---------------

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200

**OFF!® CLIP-ON™ MOSQUITO REPELLENT**

Version 1.1

Print Date 03/04/2015

Revision Date 02/23/2015

SDS Number 350000010208

Metofluthrin	LC50	Oncorhynchus mykiss (rainbow trout)	0.0012 mg/l	96 h
--------------	------	--	----------------	------

Toxicity to aquatic invertebrates

Components	End point	Species	Value	Exposure time
Metofluthrin	EC50	Daphnia magna (Water flea)	0.0047 mg/l	48 h

Toxicity to aquatic plants

Components	End point	Species	Value	Exposure time
Metofluthrin	EbC50 No data available	Pseudokirchneriella subcapitata (green algae)	0.16 mg/l	

Persistence and degradability

Component	Biodegradation	Exposure time	Summary
Metofluthrin	No data available		Not readily biodegradable.

Bioaccumulative potential

Component	Bioconcentration factor (BCF)	Partition Coefficient n-Octanol/water (log)
Metofluthrin	120	5

Mobility

Component	End point	Value
Metofluthrin	Koc	11855

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



OFF!® CLIP-ON™ MOSQUITO REPELLENT

Version 1.1

Print Date 03/04/2015

Revision Date 02/23/2015

SDS Number 350000010208

PBT and vPvB assessment

Component	Results
Metofluthrin	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.

	Land transport	Sea transport	Air transport
UN number	3077	3077	3077
UN proper shipping name	UN 3077 Environmentally Hazardous Substance, Solid, N.O.S., (Metofluthrin) 9, III, LTD QTY	UN 3077 Environmentally Hazardous Substance, Solid, N.O.S., (Metofluthrin) 9, III, LTD QTY	UN 3077 Environmentally Hazardous Substance, Solid, N.O.S., (Metofluthrin) 9, III, LTD QTY
Transport hazard class(es)	9	9	9
Packing group	III	III	III
Environmental hazards	-	-	-
Special precautions for user	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

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



OFF!® CLIP-ON™ MOSQUITO REPELLENT

Version 1.1

Print Date 03/04/2015

Revision Date 02/23/2015

SDS Number 350000010208

FIFRA Labeling

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:

Harmful if swallowed.

Harmful if inhaled.

Harmful if absorbed through skin.

Batteries may burst or release toxic materials.

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

Registration # / Agency
4822-542/US/EPA

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



OFF!® CLIP-ON™ MOSQUITO REPELLENT

Version 1.1

Print Date 03/04/2015

Revision Date 02/23/2015

SDS Number 350000010208

16. OTHER INFORMATION

HMIS Ratings

Health	2
Flammability	1
Reactivity	0

NFPA Ratings

Health	2
Fire	1
Reactivity	0
Special	-

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)
-------------	--

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



OFF!® CLIP-ON™ MOSQUITO REPELLENT

Version 1.1

Print Date 03/04/2015

Revision Date 02/23/2015

SDS Number 350000010208