

Material Safety Data Sheet

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



OFF!® CLIP-ON™ MOSQUITO REPELLENT

Version 1.1

Print Date 12/08/2008

Revision Date 10/15/2008

MSDS Number 350000010208

1. PRODUCT AND COMPANY IDENTIFICATION

Product information

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

Use of the Substance/Preparation : Insect Repellent

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

Emergency telephone : 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 : white / Liquid absorbed by inert carrier material / characteristic

Immediate Concerns

: Caution
Harmful in contact with skin and if swallowed. May be harmful if inhaled. Avoid contact with skin, eyes and clothing. Avoid breathing vapors, mist or gas.

Potential Health Effects

Routes of exposure : Eye, Skin, Inhalation, Ingestion.

Eyes : May cause:
Mild eye irritation

Skin : May cause skin irritation.

Inhalation : Inhalation may cause central nervous system effects.

Ingestion : May be harmful if swallowed.

Aggravated Medical Condition : None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No.	Weight %
Polyethylene terephthalate	25038-59-9	30.00 - 60.00
Metofluthrin	240494-70-6	31.20

Material Safety Data Sheet

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



OFF!® CLIP-ON™ MOSQUITO REPELLENT

Version 1.1

Print Date 12/08/2008

Revision Date 10/15/2008

MSDS Number 350000010208

4. FIRST AID MEASURES

- Eye contact : Flush immediately with plenty of water for at least 15 to 20 minutes. Get medical attention if irritation develops and persists.
- Skin contact : Flush immediately with plenty of water for at least 15 to 20 minutes. Get medical attention if irritation develops and persists.
- Inhalation : Remove to fresh air. If breathing is affected, get medical attention. If not breathing, give artificial respiration.
- Ingestion : If swallowed, DO NOT induce vomiting unless directed to do so by medical personnel. Drink 1 or 2 glasses of water. Never give anything by mouth to an unconscious person. Get medical attention immediately.

5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Alcohol foam, carbon dioxide, dry chemical, water fog
- Specific hazards during fire fighting : Material may burn in heat of fire.
- Further information : Fight fire from maximum distance or protected area. Wear full protective clothing and positive pressure self-contained breathing apparatus. In the event of fire and/or explosion do not breathe fumes.
- Flash point : Note: does not flash
- Lower explosion limit : Note: no data available
- Upper explosion limit : Note: no data available

6. ACCIDENTAL RELEASE MEASURES

- Environmental precautions : Use appropriate containment to avoid environmental contamination.
- Methods for cleaning up : Sweep up and shovel into suitable containers for disposal.

Material Safety Data Sheet

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



OFF!® CLIP-ON™ MOSQUITO REPELLENT

Version 1.1

Print Date 12/08/2008

Revision Date 10/15/2008

MSDS Number 350000010208

7. HANDLING AND STORAGE

Handling

Advice on safe handling : Use only as directed.
Avoid contact with skin, eyes and clothing.
Avoid breathing vapors, mist or gas.
KEEP OUT OF REACH OF CHILDREN AND PETS.

Advice on protection against fire and explosion : Keep away from heat and sources of ignition.

Storage

Requirements for storage areas and containers : 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

Industrial setting : No personal respiratory protective equipment normally required.

Household setting : No personal respiratory protective equipment normally required.

Hand protection

Industrial setting : For prolonged or repeated contact use protective gloves.

Household setting : not required under normal use

Eye protection

Industrial setting : No special requirements.

Household setting : No special requirements.

Hygiene measures

: Use only with adequate ventilation. Wash thoroughly after handling. Wear suitable protective clothing. Keep away from food, drink and animal feedingstuffs.

Material Safety Data Sheet

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



OFF!® CLIP-ON™ MOSQUITO REPELLENT

Version 1.1

Print Date 12/08/2008

Revision Date 10/15/2008

MSDS Number 350000010208

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	:	Liquid absorbed by inert carrier material
Color	:	white
Odor	:	characteristic
pH	:	no data available
Boiling point	:	no data available
Flash point	:	does not flash
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
Water solubility	:	ca.0.00073 g/l at 25 °C
Specific Gravity	:	no data available

10. STABILITY AND REACTIVITY

Conditions to avoid	:	Heat, flames and sparks.
Materials to avoid	:	Avoid contact with: Bases.
Hazardous decomposition products	:	Other hazardous decomposition products may be formed.
Hazardous reactions	:	Stable

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity	:	LD50 rat Dose: estimated > 2,000 mg/kg
Acute inhalation toxicity	:	LC50 rat Dose: > 1.08 mg/l

Material Safety Data Sheet

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



OFF!® CLIP-ON™ MOSQUITO REPELLENT

Version 1.1

Print Date 12/08/2008

Revision Date 10/15/2008

MSDS Number 350000010208

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

Chronic effects

Carcinogenicity : no data available

Mutagenicity : no data available

Reproductive effects : no data available

Teratogenicity : no data available

Sensitisation : no data available

12. ECOLOGICAL INFORMATION

Ecotoxicity effects : Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

13. DISPOSAL CONSIDERATIONS

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

Household setting : 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:

UN-Number 3352
Proper shipping name Pyrethroid Pesticide, Liquid, Toxic
Class: 6.1
Packaging group: III

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

Material Safety Data Sheet

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



OFF!® CLIP-ON™ MOSQUITO REPELLENT

Version 1.1

Print Date 12/08/2008

Revision Date 10/15/2008

MSDS Number 350000010208

Sea transport

IMDG:

Class:	6.1
Packaging group:	III
Proper shipping name	Pyrethroid Pesticide, Liquid, Toxic
UN-Number:	3352

Air transport

ICAO/IATA:

Class:	6.1
Packaging group:	III
Proper shipping name	Pyrethroid Pesticide, Liquid, Toxic
UN/ID No.:	UN 3352

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

Global Chemical Inventories

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.

: 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, or any other reproductive defects.

: 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.

Material Safety Data Sheet

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



OFF!® CLIP-ON™ MOSQUITO REPELLENT

Version 1.1

Print Date 12/08/2008

Revision Date 10/15/2008

MSDS Number 350000010208

EPA Registration Number : 4822-542

16. OTHER INFORMATION

HMIS Ratings

Health	2
Flammability	1
Reactivity	0

NFPA Ratings

Health	2
Fire	1
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)
--------------	--