

Material Safety Data Sheet

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



OFF! ACTIVE® INSECT REPELLENT 1 - PRESSURIZED SPRAY (REG. NO. 22708 P.C.P. Act)

Version 1.1

Print Date 08/24/2009

Revision Date 08/03/2009

MSDS Number 350000004806

1. PRODUCT AND COMPANY IDENTIFICATION

Product information

- Trade name : OFF! ACTIVE® INSECT REPELLENT 1 - PRESSURIZED SPRAY (REG. NO. 22708 P.C.P. Act)
- Use of the Substance/Preparation Company : Insect Repellent
: 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 : clear / aerosol / pleasant

Immediate Concerns

: Warning
CAUSES EYE IRRITATION.
FLAMMABLE:
CONTENTS UNDER PRESSURE. Do not puncture or incinerate. Do not store at temperatures above 120 Deg. F (50 Deg C), as container may burst. May be harmful if swallowed. Avoid contact with eyes and lips.

Potential Health Effects

- Routes of exposure : Eye, Skin, Inhalation, Ingestion.
- Eyes : May cause:
Moderate eye irritation
- Skin : May cause skin reactions in rare cases.
- Inhalation : Inhalation may cause central nervous system effects.
- Ingestion : May be harmful if swallowed.
May cause irritation to mouth, throat and stomach.
Causes headache, drowsiness or other effects to the central nervous system.
- Aggravated Medical : None known.

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Condition

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | CAS-No. | Weight % |
|-------------------------|----------|----------------|
| Ethyl alcohol | 64-17-5 | 60.00 - 100.00 |
| N,N-Diethyl-m-toluamide | 134-62-3 | 15.00 |
| Butane | 106-97-8 | 1.00 - 5.00 |
| Propane | 74-98-6 | 1.00 - 5.00 |
| Isobutane | 75-28-5 | 1.00 - 5.00 |

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 : Wash off with soap and water. Get medical attention if irritation develops and persists.
- Inhalation : If breathing is affected, get medical attention. Remove to fresh air.
- Ingestion : Do NOT induce vomiting. 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 : Aerosol Product - Containers may rocket or explode in heat of fire.
- Further information : Wear full protective clothing and positive pressure self-contained breathing apparatus. Fight fire from maximum distance or protected area. Cool and use caution when approaching or handling fire-exposed containers.
- Flash point : < 20 °F
Note: Propellant
- Flash point : -7 °C
Note: Propellant

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Lower explosion limit : Note: no data available

Upper explosion limit : Note: no data available

NFPA Classification : NFPA Level 2 Aerosol

6. ACCIDENTAL RELEASE MEASURES

Personal precautions : Remove all sources of ignition.

Environmental precautions : Use appropriate containment to avoid environmental contamination.

Methods for cleaning up : Soak up with inert absorbent material.
Sweep up and shovel into suitable containers for disposal.
Dike large spills.

7. HANDLING AND STORAGE

Handling

Advice on safe handling : Use only as directed.
KEEP OUT OF REACH OF CHILDREN AND PETS.
Avoid contact with eyes and lips.
Do not puncture or incinerate.

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.
Do not store at temperatures above 120 Deg. F (50 Deg C), as container may burst.

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

| Components | CAS-No. | mg/m3 | ppm | Basis |
|---------------|----------|-------|-----------|-----------|
| Ethyl alcohol | 64-17-5 | - | 1,000 ppm | ACGIH TWA |
| Butane | 106-97-8 | - | 1,000 ppm | ACGIH TWA |
| Propane | 74-98-6 | - | 1,000 ppm | ACGIH TWA |
| Isobutane | 75-28-5 | - | 1,000 ppm | ACGIH TWA |

Personal protective equipment

Respiratory protection

Industrial setting : Substantial amounts of mist/vapors can be controlled with local exhaust ventilation or respiratory protection.

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 : If prolonged or repeated contact is possible:
Safety glasses with side-shields

Household setting : No special requirements.

Hygiene measures

: Use only with adequate ventilation. Wash thoroughly after handling. Wear suitable protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form : aerosol

Color : clear

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| | | |
|--------------------------|---|-----------------------|
| Odor | : | pleasant |
| pH | : | not applicable |
| Boiling point | : | no data available |
| Freezing point | : | no data available |
| Flash point | : | < 20 °F Propellant |
| Flash point | : | -7 °C Propellant |
| 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 | : | dispersible |
| Specific Gravity | : | 0.78 |

10. STABILITY AND REACTIVITY

| | | |
|----------------------------------|---|---|
| Conditions to avoid | : | Heat, flames and sparks. |
| Materials to avoid | : | Do not mix with oxidizing agents. |
| Hazardous decomposition products | : | When exposed to fire, produces normal products of combustion. |
| Hazardous reactions | : | Stable |

11. TOXICOLOGICAL INFORMATION

| | | |
|---------------------------|---|---------------------|
| Acute oral toxicity | : | LD50 3,735 mg/kg |
| Acute inhalation toxicity | : | LC50 > 2.18 mg/l |

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

Chronic effects

Carcinogenicity : no data available

Mutagenicity : no data available

Reproductive effects : no data available

Teratogenicity : no data available

Sensitisation : Not known to be a sensitizer.

12. ECOLOGICAL INFORMATION

Ecotoxicity effects : no data available

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 1950
Proper shipping name Aerosols, flammable
Class: 2.1
Packaging group: None.

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

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Sea transport

▪ *IMDG:*

Class: 2.1
Packaging group: None.
Proper shipping name: Aerosols, flammable
UN-Number: 1950

Note: SC Johnson ships this product as "Limited Quantity" when the container quantity value is 1 Liter or less.

Air transport

▪ *ICAO/IATA:*

Class: 2.1
Packaging group: None.
Proper shipping name: Aerosols, flammable
UN/ID No.: UN 1950

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.

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 is not subject to the reporting requirements under California's Proposition 65.
: 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.

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16. OTHER INFORMATION

HMIS Ratings

| | |
|--------------|---|
| Health | 2 |
| Flammability | 4 |
| Reactivity | 0 |

NFPA Ratings

| | |
|------------|---|
| Health | 2 |
| Fire | 4 |
| Reactivity | 0 |
| Special | |

Further information

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| Prepared by: | SC Johnson Global Safety Assessment & Regulatory Affairs (GSARA) |
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