1. PRODUCT AND COMPANY IDENTIFICATION

Product information
Trade name : OFF!® DEEP WOODS® INSECT REPELLENT V
Use of the Substance/Preparation : Insect Repellent
Company : S.C. Johnson & Son, Inc.
          1525 Howe Street
          Racine WI 53403-2236
Emergency telephone : 24 Hour Transport & Medical Emergency Phone (866) 231-5406
                      24 Hour International Emergency Phone (952) 852-4647

2. HAZARDS IDENTIFICATION

Emergency Overview
Appearance / Odor : clear / aerosol / characteristic
Immediate Concerns : Caution
                      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 Condition : None known.
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Revision Date 04/22/2009 MSDS Number 350000004807

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No.</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethyl alcohol</td>
<td>64-17-5</td>
<td>30.00 - 60.00</td>
</tr>
<tr>
<td>N,N-Diethyl-m-toluamide</td>
<td>134-62-3</td>
<td>25.00</td>
</tr>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>7.00 - 13.00</td>
</tr>
<tr>
<td>Butane</td>
<td>106-97-8</td>
<td>1.00 - 5.00</td>
</tr>
<tr>
<td>Propane</td>
<td>74-98-6</td>
<td>1.00 - 5.00</td>
</tr>
<tr>
<td>Isobutane</td>
<td>75-28-5</td>
<td>1.00 - 5.00</td>
</tr>
</tbody>
</table>

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 firefighting : 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
Method: Tag Closed Cup (TCC)
Note: Propellant

Lower explosion limit : Note: no data available

Upper explosion limit : Note: no data available
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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.
OFF!® DEEP WOODS® INSECT REPELLENT V

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Occupational Exposure Limits**

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>mg/m3</th>
<th>ppm</th>
<th>Basis</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethyl alcohol</td>
<td>64-17-5</td>
<td>-</td>
<td>1,000 ppm</td>
<td>ACGIH TWA</td>
</tr>
<tr>
<td>Ethyl alcohol</td>
<td>64-17-5</td>
<td>1,900 mg/m3</td>
<td>1,000 ppm</td>
<td>OSHA TWA</td>
</tr>
<tr>
<td>Butane</td>
<td>106-97-8</td>
<td>-</td>
<td>1,000 ppm</td>
<td>ACGIH TWA</td>
</tr>
<tr>
<td>Propane</td>
<td>74-98-6</td>
<td>-</td>
<td>1,000 ppm</td>
<td>ACGIH TWA</td>
</tr>
<tr>
<td>Propane</td>
<td>74-98-6</td>
<td>1,800 mg/m3</td>
<td>1,000 ppm</td>
<td>OSHA TWA</td>
</tr>
<tr>
<td>Isobutane</td>
<td>75-28-5</td>
<td>-</td>
<td>1,000 ppm</td>
<td>ACGIH TWA</td>
</tr>
</tbody>
</table>

**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
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: rat
Dose: 3,735 mg/kg

Acute inhalation toxicity: rat
  Dose: > 2.18 mg/l

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

12. ECOLOGICAL INFORMATION

Ecotoxicity effects: Not 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.

RCRA waste class: D001 (Ignitable Waste)

SCJ product category: AF: Aerosol Flammable

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)

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

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).
Material Safety Data Sheet
according to ANSI Z400.1-2004 and 29 CFR 1910.1200

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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.

EPA Registration Number: 4822-167, P.C.P. REG. NO. 24723

16. OTHER INFORMATION

HMIS Ratings

<table>
<thead>
<tr>
<th>Health</th>
<th>2</th>
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</thead>
<tbody>
<tr>
<td>Flammability</td>
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<tr>
<td>Reactivity</td>
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</tr>
</tbody>
</table>

NFPA Ratings

<table>
<thead>
<tr>
<th>Health</th>
<th>2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fire</td>
<td>4</td>
</tr>
<tr>
<td>Reactivity</td>
<td>0</td>
</tr>
<tr>
<td>Special</td>
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</tr>
</tbody>
</table>

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)