

MATERIAL SAFETY DATA SHEET

WORKING COPY

Date Issued: 07/26/2007
MSDS No: 350000004941
Revision No: New MSDS

OFF!® FAMILYCARE INSECT REPELLENT I SMOOTH & DRY

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: OFF!® FAMILYCARE INSECT REPELLENT I SMOOTH & DRY
GENERAL USE: Insect repellent

MANUFACTURER:

S.C. Johnson & Son, Inc.
1525 Howe Street
Racine WI 53403-2236

24 Hr. Medical & Transport Emergency
Phone: (866) 231-5406
24 Hr. International Medical Emergency
Phone: (952) 852-4647

CANADIAN ADDRESS:

S.C. Johnson and Son, Limited
1 Webster Street
Brantford, Ontario N3T 5R1

24 Hr. Canadian Transport Emergency:

CANUTEC (Canadian Transportation):(613) 996 - 6666

REGISTRATION INFORMATION: EPA# 4822-543; PCP# 28648

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

IMMEDIATE CONCERNS: WARNING: EYE IRRITANT. May be harmful if swallowed. FLAMMABLE: CONTENTS UNDER PRESSURE. Do not puncture or incinerate. Do not store at temperatures above 120 Deg. F (50 Deg. C).

POTENTIAL HEALTH EFFECTS

EYES: May cause: Moderate eye irritation.

SKIN: May cause skin reactions in rare cases.

INGESTION: High concentrations may lead to central nervous system effects such as drowsiness, dizziness, headaches and/or nausea. May cause irritation to mouth, throat and stomach.

INHALATION: High concentrations may lead to central nervous system effects such as drowsiness, dizziness, headaches and/or nausea.

MEDICAL CONDITIONS AGGRAVATED: None known.

ROUTES OF ENTRY: Eye contact. Skin contact. Inhalation. Ingestion.

3. COMPOSITION / INFORMATION ON INGREDIENTS

MATERIAL SAFETY DATA SHEET

WORKING COPY

Date Issued: 07/26/2007
MSDS No: 350000004941
Revision No: New MSDS

OFF!® FAMILYCARE INSECT REPELLENT I SMOOTH & DRY

Chemical Name	Wt. %	CAS	EINECS
Water	1 - 5	007732-18-5	
Deet (n,n Diethyl-m-toluamide)	15	000134-62-3	205-149-7
Butane	10 - 20	000106-97-8	203-448-7
Propane	10 - 20	000074-98-6	- -
Isobutane	10 - 20	000075-28-5	- -
Ethanol	20 - 30	000064-17-5	200-578-6

4. FIRST AID MEASURES

EYES: Flush immediately with plenty of water for at least 15 to 20 minutes. If irritation develops, get medical attention.

SKIN: Wash with soap and water. Get medical attention if irritation develops or persists.

INGESTION: Do not induce vomiting! Immediately drink 1-2 glasses of water or milk. Do not administer anything by mouth to an unconscious person. Get medical attention immediately.

INHALATION: Remove to fresh air. If breathing is affected, get medical attention.

5. FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD: < -7°C (20°F) (TCC) (propellant)

FLAMMABLE LIMITS:

Notes: Not Available

AUTOIGNITION TEMPERATURE: Not Available

FLAMMABLE CLASS: NFPA 30B Level 2 Aerosol.

EXTINGUISHING MEDIA: Foam. CO2. Dry chemical. Water fog.

EXPLOSION HAZARDS: Aerosol product - Containers may rocket or explode in heat of fire.

FIRE FIGHTING PROCEDURES: Fight fire from maximum distance or protected area. Cool and use caution when approaching or handling fire-exposed containers. Fire fighters should wear self-contained breathing apparatus and protective clothing.

6. ACCIDENTAL RELEASE MEASURES

GENERAL PROCEDURES: Eliminate all ignition sources. Dike large spills. Absorb with oil-dri or similar inert material. Sweep or scrape up and containerize.

7. HANDLING AND STORAGE

MATERIAL SAFETY DATA SHEET

WORKING COPY

Date Issued: 07/26/2007
MSDS No: 350000004941
Revision No: New MSDS

OFF!® FAMILYCARE INSECT REPELLENT I SMOOTH & DRY

GENERAL PROCEDURES: Use only as directed. Observe good personal hygiene practices.

HANDLING: Keep away from heat, sparks and flame. Avoid contact with eyes and lips. Do not spray toward face. Avoid breathing vapors or mists. Keep out of reach of children and pets.

STORAGE: Do not store at temperatures above 120 °F (50 °C). Store in a cool, dry place with adequate ventilation.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

OCCUPATIONAL EXPOSURE LIMITS					
		EXPOSURE LIMITS			
		OSHA PEL		ACGIH TLV	
Chemical Name		ppm	mg/m ³	ppm	mg/m ³
Propane	TWA	1000 ppm	1800 mg/m ³	1000 ppm	
Ethanol	TWA	1000 ppm	1900 mg/m ³	1000 ppm	1884

ENGINEERING CONTROLS: Good general ventilation should be sufficient to control airborne levels.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: No special requirements under normal use conditions. If major exposure is possible (e.g. spills): Chemical goggles.

SKIN: No special requirements under normal use conditions.

RESPIRATORY: No special requirements under normal use conditions. If mists/vapors are not adequately controlled by ventilation, use appropriate respiratory protection to prevent overexposure.

OTHER USE PRECAUTIONS: No special requirements.

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

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Dispensed as a spray mist.

ODOR: Fresh

COLOR: Clear

pH: Not Applicable

PERCENT VOLATILE: Not Available

VAPOR PRESSURE: Not Available

BOILING POINT: Not Available

MATERIAL SAFETY DATA SHEET

WORKING COPY

Date Issued: 07/26/2007
MSDS No: 350000004941
Revision No: New MSDS

OFF!® FAMILYCARE INSECT REPELLENT I SMOOTH & DRY

FREEZING POINT: Not Available

FLASHPOINT AND METHOD: < -7°C (20°F) (TCC) (propellant)

SOLUBILITY IN WATER: Dispersible

EVAPORATION RATE: Not Available

SPECIFIC GRAVITY: 0.770

(VOC): Not Available

10. STABILITY AND REACTIVITY

STABILITY: Stable

POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: Sources of ignition (sparks, flame). Excessive heat.

HAZARDOUS DECOMPOSITION PRODUCTS: When exposed to fire: Produces normal products of combustion.

INCOMPATIBLE MATERIALS: Avoid contact with: Rubber. Plastic. Strong oxidizing materials (e.g. liquid chlorine).

11. TOXICOLOGICAL INFORMATION

ACUTE

DERMAL LD₅₀: Estimated to be greater than 2000 mg/kg (rabbit)

ORAL LD₅₀: > 2000 mg/kg (rat)

INHALATION LC₅₀: > 2.0 mg/L (rat)

CHRONIC: None known.

CARCINOGENICITY

Notes: None known.

SENSITIZATION: None known.

REPRODUCTIVE EFFECTS: None known.

TERATOGENIC EFFECTS: None known.

MUTAGENICITY: None known.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: Not Available

MATERIAL SAFETY DATA SHEET

WORKING COPY

Date Issued: 07/26/2007
MSDS No: 350000004941
Revision No: New MSDS

OFF!® FAMILYCARE INSECT REPELLENT I SMOOTH & DRY

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Observe all Federal, Provincial, State and Municipal regulations. If possible, recycle empty aerosol can to nearest steel recycling center. Use up package or give to someone who can. Do not puncture or incinerate.

RCRA HAZARD CLASS: D001 (Ignitable Waste)

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Aerosols, flammable

PRIMARY HAZARD CLASS/DIVISION: 2.1

UN/NA NUMBER: UN 1950

PACKING GROUP: None

NOTE: S.C. Johnson ships this product as: Consumer Commodity ORM-D (non-bulk packages)

AIR (ICAO/IATA)

SHIPPING NAME: Aerosols, flammable

UN/NA NUMBER: UN 1950

PRIMARY HAZARD CLASS/DIVISION: 2.1

PACKING GROUP: None

NOTE: S.C. Johnson typically does not ship products via air, therefore it has not been determined if the current product container meets current IATA/ICAO package criteria. Refer to IATA/ICAO Dangerous Goods Regulations for detailed instructions when shipping this item by air.

VESSEL (IMO/IMDG)

SHIPPING NAME: Aerosols

UN/NA NUMBER: UN 1950

PRIMARY HAZARD CLASS/DIVISION: 2.1

PACKING GROUP: None

NOTE: S.C. Johnson ships this product as "Limited Quantity" when container quantity value is 1000 ml or less.

CANADA TRANSPORT OF DANGEROUS GOODS

SHIPPING NAME: Aerosols, flammable

UN/NA NUMBER: UN 1950

PRIMARY HAZARD CLASS/DIVISION: 2.1

PACKING GROUP: None

TDG NOTE: S.C. Johnson ships this product as: Consumer Commodity

15. REGULATORY INFORMATION

MATERIAL SAFETY DATA SHEET

WORKING COPY

Date Issued: 07/26/2007
MSDS No: 350000004941
Revision No: New MSDS

OFF!® FAMILYCARE INSECT REPELLENT I SMOOTH & DRY

UNITED STATES

TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA STATUS: All ingredients of this product are listed or are excluded from listing on the U.S. Toxic Substances Control Act (TSCA) Inventory.

STATES WITH SPECIAL REQUIREMENTS

Chemical Name	Requirements
Butane	106-97-8 is included on the following U.S. State Government Lists: California Director's List of Hazardous Substances Massachusetts Oil & Hazardous Material List Massachusetts Right-to-Know Substances List Minnesota Right-to-Know Hazardous Substances List New Jersey Right-to-Know Substances List Pennsylvania Right-to-Know Hazardous Substances List
Propane	74-98-6 is included on the following U.S. State Government Lists: Massachusetts Oil & Hazardous Material List Massachusetts Right-to-Know Substances List Minnesota Right-to-Know Hazardous Substances List New Jersey Right-to-Know Substances List Pennsylvania Right-to-Know Hazardous Substances List
Isobutane	75-28-5 is included on the following U.S. State Government Lists: Massachusetts Oil & Hazardous Material List Massachusetts Right-to-Know Substances List New Jersey Right-to-Know Substances List New Jersey - Discharge Prevention - List of Hazardous Substances Pennsylvania Right-to-Know Hazardous Substances List
Ethanol	64-17-5 is included on the following U.S. State Government Lists: Massachusetts Right-to-Know Substances List Massachusetts Oil & Hazardous Material List Minnesota Right-to-Know Hazardous Substances List New Jersey Right-to-Know Substances List Pennsylvania Right-to-Know Hazardous Substances List

CALIFORNIA PROPOSITION 65: This product is not subject to the reporting requirements under California's Proposition 65.

CANADA

WHMIS (WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM): 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.

WHMIS CLASS: B,5; D,2B;

MATERIAL SAFETY DATA SHEET

WORKING COPY

Date Issued: 07/26/2007
MSDS No: 350000004941
Revision No: New MSDS

OFF!® FAMILYCARE INSECT REPELLENT I SMOOTH & DRY

CANADIAN ENVIRONMENTAL PROTECTION ACT: All ingredients in this product comply with the New Substances Notification requirements under the Canadian Environmental Protection Act (CEPA).

16. OTHER INFORMATION

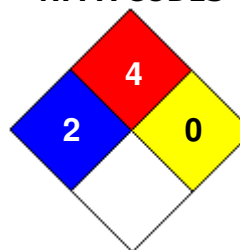
REASON FOR ISSUE: New format.

APPROVED BY: SCJ Global Safety Assessment & Reg. Affairs

HMIS RATING

HEALTH:	□	2
FLAMMABILITY:		4
PHYSICAL HAZARD:		0
PERSONAL PROTECTION:		

NFPA CODES



MANUFACTURER DISCLAIMER: This document has been prepared using data from sources considered technically reliable. It does not constitute a warranty, express or implied, as to the accuracy of the information contained herein. Actual conditions of use and handling are beyond 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.