



Chemical Name: Insect Repellant

Manufacturer: Off!

Container size: 8oz.

Location: VLA

Disposal: Place empty container in trash.

MATERIAL SAFETY DATA SHEET
NSN: 6840013093890
Manufacturer's CAGE: 32204
Part No. Indicator: A
Part Number/Trade Name: DEEP WOODS OFF!AEROSOL;CODE:11840-013

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General Information
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Item Name: INSECT REPELLENT CLOTHING AND PERSONAL APPLICATION
Company's Name: JOHNSON S C AND SON INC
Company's Street: 1525 HOWE ST
Company's City: RACINE
Company's State: WI
Company's Country: US
Company's Zip Code: 53403-2237
Company's Emerg Ph #: 414-631-2000
Company's Info Ph #: 414-631-2777
Record No. For Safety Entry: 003
Tot Safety Entries This Stk#: 006
Status: SM
Date MSDS Prepared: 05MAY89
Safety Data Review Date: 01MAY90
Supply Item Manager: 86
MSDS Preparer's Name: TERRY A. MEYERS
MSDS Serial Number: BHQCB
Hazard Characteristic Code: F1
Unit Of Issue: CN
Unit Of Issue Container Qty: 12.0 OZ
Type Of Container: CAN
Net Unit Weight: 12.0 OZ

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Ingredients/Identity Information
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Proprietary: NO
Ingredient: N,N-DIETHYL-META-TOLUAMIDE
Ingredient Sequence Number: 01
Percent: 19.0
NIOSH (RTECS) Number: 1001024DT
CAS Number: 134-62-3
OSHA PEL: NOT ESTABLISHED
ACGIH TLV: NOT ESTABLISHED
Other Recommended Limit: NOT ESTABLISHED

Proprietary: NO
Ingredient: OTHER COMPONENTS (OTHER ISOMERS)
Ingredient Sequence Number: 02
Percent: <1.0
NIOSH (RTECS) Number: 1003214OC
OSHA PEL: NOT ESTABLISHED
ACGIH TLV: NOT ESTABLISHED
Other Recommended Limit: NOT ESTABLISHED

Proprietary: NO
Ingredient: N-OCTYL BICYCLOHEPTENE DICARBOXIMIDE
Ingredient Sequence Number: 03
Percent: 4.0
NIOSH (RTECS) Number: RB8575000

CAS Number: 463-04-7
OSHA PEL: NOT ESTABLISHED
ACGIH TLV: NOT ESTABLISHED
Other Recommended Limit: NOT ESTABLISHED

Proprietary: NO
Ingredient: ETHYL ALCOHOL (ETHANOL)
Ingredient Sequence Number: 04
Percent: 60-70
NIOSH (RTECS) Number: RQ6300000
CAS Number: 64-17-5
OSHA PEL: 1000 PPM
ACGIH TLV: 1000 PPM; 8990
Other Recommended Limit: NOT ESTABLISHED

Proprietary: NO
Ingredient: PROPANE AND ISOBUTANE N-BUTANE MIXTURE CAS#106-97-8,75-28-5,
74-98-6
Ingredient Sequence Number: 05
Percent: 2-15
NIOSH (RTECS) Number: 1003577PI
OSHA PEL: NOT ESTABLISHED
ACGIH TLV: NOT ESTABLISHED
Other Recommended Limit: NOT ESTABLISHED

Proprietary: NO
Ingredient: BUTANE
Ingredient Sequence Number: 06
NIOSH (RTECS) Number: EJ4200000
CAS Number: 106-97-8
OSHA PEL: 800 PPM
ACGIH TLV: 800 PPM; 9192
Other Recommended Limit: NOT ESTABLISHED

Proprietary: NO
Ingredient: ISOBUTANE
Ingredient Sequence Number: 07
NIOSH (RTECS) Number: TZ4300000
CAS Number: 75-28-5
OSHA PEL: NOT ESTABLISHED
ACGIH TLV: NOT ESTABLISHED
Other Recommended Limit: NOT ESTABLISHED

Proprietary: NO
Ingredient: PROPANE
Ingredient Sequence Number: 08
NIOSH (RTECS) Number: TX2275000
CAS Number: 74-98-6
OSHA PEL: 1000 PPM
ACGIH TLV: ASPHYXIAN; 9192
Other Recommended Limit: NOT ESTABLISHED

Proprietary: NO
Ingredient: 2,3,4,5-BIX(2-BUTYLENE)TETRAHYDRO-2-FURALDEHYDE
Ingredient Sequence Number: 09
Percent: 1.0
NIOSH (RTECS) Number: HP5075000

CAS Number: 126-15-8
OSHA PEL: NOT ESTABLISHED
ACGIH TLV: NOT ESTABLISHED
Other Recommended Limit: NOT ESTABLISHED

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Physical/Chemical Characteristics

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Appearance And Odor: DISPENSED AS A SPRAY MIST WITH CITRUS ODOR
Specific Gravity: 0.82
Decomposition Temperature: UNKNOWN
Solubility In Water: APPRECIABLE
Corrosion Rate (IPY): UNKNOWN

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Fire and Explosion Hazard Data

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Extinguishing Media: USE CARBON DIOXIDE, FOAM, DRY CHEMICAL, OR WATER FOG.
Special Fire Fighting Proc: FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA &
FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER SPRAY TO
COOL NEARBY CONTAINERS EXPOSED TO FIRE.
Unusual Fire And Expl Hazrds: NO SPECIAL HAZARDS;FIRE OR EXCESSIVE HEAT
MAY CAUSE PRODUCTION OF HAZARDOUS DECOMPOSITION PRODUCTS.

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Reactivity Data

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Stability: YES
Cond To Avoid (Stability): HIGH TEMPERATURES
Materials To Avoid: NONE KNOWN TO MFG
Hazardous Decomp Products: NORMAL PRODUCTS OF COMBUSTION
Hazardous Poly Occur: NO
Conditions To Avoid (Poly): NOT APPLICABLE

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Health Hazard Data

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Route Of Entry - Inhalation: YES
Route Of Entry - Skin: YES
Route Of Entry - Ingestion: YES
Health Haz Acute And Chronic: ACUTE: EYE, SKIN & RESPIRATORY TRACT
IRRITATION.PRODUCT MAY CAUSE DISTRESS OR ILLNESS IF TAKEN INTERNALLY.
Carcinogenicity - NTP: NO
Carcinogenicity - IARC: NO
Carcinogenicity - OSHA: NO
Explanation Carcinogenicity: DATA PER MSDS
Signs/Symptoms Of Overexp: SEE HEALTH HAZARDS DATA.
Med Cond Aggravated By Exp: PERSONS WITH EYE, SKIN, AND RESPIRATORY
DISORDERS MAY BE AT INCREASED RISK.
Emergency/First Aid Proc: INHALATION: REMOVE TO FRESH AIR. IF NOT
BREATHING GIVE CPR. CALL A PHYSICIAN. EYE: IMMEDIATELY FLUSH EYES WITH
PLENTY OF WATER FOR 15 MINUTES. CALL A PHYSICIAN. SKIN: WASH WITH PLENTY OF
SOAP & WATER. REMOVE CONTAMINATED CLOTHING/SHOES. INGESTION: DO NOT INDUCE
VOMITING. GIVE NOTHING BY MOUTH IF UNCONSCIOUS. GET IMMEDIATE MEDICAL
ATTENTION.

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Precautions for Safe Handling and Use

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Steps If Matl Released/Spill: REMOVE ALL IGNITION SOURCES;IF CONTAINER
BEGINS TO LEAK (THROUGH PUNCTURE, ETC.) ALLOW IT TO DISCHARGE COMPLETELY IN
WELL VENTILATED AREA, THEN DISPOSE IN SAFE PLACE.

Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.
Waste Disposal Method: AEROSOL CONTAINER IS NOT REFILLABLE. DO NOT ATTEMPT TO RECHARGE. WHEN CONTAINER IS EMPTY, DISCARD IN SAFE PLACE. DO NOT PUNCTURE OR THROW IN FIRE. DISPOSAL SHOULD BE MADE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS.
Precautions-Handling/Storing: STORE IN A COOL, DRY, WELL VENTILATED AREA. PROTECT CONTAINERS FROM PHYSICAL DAMAGE. DO NOT EXPOSE TO TEMPERATURES ABOVE 120 DEG. F.
Other Precautions: FOR OUTDOOR USE ONLY.

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Control Measures
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Respiratory Protection: NONE NORMALLY REQUIRED IF USED AS DIRECTED.
Ventilation: NORMAL ROOM VENTILATION
Protective Gloves: NONE NORMALLY REQUIRED.
Eye Protection: SAFETY GLASSES RECOMMENDED.
Other Protective Equipment: EYE WASH STATION AND SAFETY SHOWER RECOMMENDED. INDUSTRIAL-TYPE WORK CLOTHING.
Work Hygienic Practices: OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. DO NOT WEAR CONTAMINATED CLOTHING OR FOOTWEAR.
Suppl. Safety & Health Data: DO NOT GET ON SKIN, IN EYES OR ON CLOTHING. DO NOT BREATHE VAPORS OR MISTS.KEEP OUT OF REACH OF CHILDREN.

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Transportation Data
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Trans Data Review Date: 90121
DOT PSN Code: DTJ
DOT Symbol: D
DOT Proper Shipping Name: CONSUMER COMMODITY
DOT Class: ORM-D
DOT Label: NONE
IMO PSN Code: AIY
IMO Proper Shipping Name: AEROSOL DISPENSERS
IMO Regulations Page Number: 9022
IMO UN Number: 1950
IMO UN Class: 9
IMO Subsidiary Risk Label: -
IATA PSN Code: ALS
IATA UN ID Number: 1950
IATA Proper Shipping Name: AEROSOLS, 30, *
IATA UN Class: 2.1
IATA Label: FLAMMABLE GAS
AFI PSN Code: ALS
AFI Prop. Shipping Name: AEROSOLS, NONFLAMMABLE, N.O.S.
AFI Class: FORB
AFI Basic Pac Ref: FORBIDDEN
N.O.S. Shipping Name: CONTAINS PROPANE ISOBUTANE AND N-BUTANE AS PROPELLANTS MIXTURE.
Additional Trans Data: DOT SHIPPING NAME PER MFG

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Disposal Data
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Label Data
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Label Required: NO
Label Status: X

Common Name: LABEL COVERED UNDER EPA REGS - HAZCOM LABEL NOT
AUTHORIZED