

Material Safety Data Sheet

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



RAID® YARD GUARD® OUTDOOR FOGGER FORMULA VII

Version 1.0

Print Date 03/04/2011

Revision Date 06/18/2010

MSDS Number 350000003864
SITE_FORM Number
300000000000000003198.002

1. PRODUCT AND COMPANY IDENTIFICATION

Product information

Trade name : RAID® YARD GUARD® OUTDOOR FOGGER FORMULA VII

Use of the Substance/Mixture : Insecticide

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 : opaque / aerosol / characteristic

Immediate Concerns

: Caution
Contents under pressure. Do not puncture or incinerate. Keep away from heat, sparks and flame. Do not store at temperatures above 120 Deg. F (50 Deg C), as container may burst. Avoid contact with skin, eyes and clothing.

Potential Health Effects

Exposure routes : Eye, Skin, Inhalation, Ingestion.

Eyes : May cause:
Mild eye irritation

Skin : May be harmful if absorbed through skin.

Inhalation : May be harmful if inhaled.

Ingestion : May cause irritation to mouth, throat and stomach.
May cause abdominal discomfort.

Aggravated Medical Condition : None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous chemicals present at or above reportable levels as defined by OSHA 29 CFR 1910.1200 or the Canadian Controlled Products Regulations are listed in this table:

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Chemical Name	CAS-No.	Weight percent
Butane	106-97-8	10.00 - 30.00
Isobutane	75-28-5	5.00 - 10.00
Propane	74-98-6	1.00 - 5.00
Distillates (petroleum), hydrotreated light	64742-47-8	1.00 - 5.00
Permethrin	52645-53-1	0.10 - 1.00
Allethrin	584-79-2	0.10 - 1.00

For additional information on product ingredients, see www.whatsinsidescjohnson.com.

4. FIRST AID MEASURES

- Eye contact : Flush immediately with plenty of water for at least 15 to 20 minutes. Remove contact lenses. Get medical attention if irritation develops and persists.
- Skin contact : Flush immediately with plenty of water for at least 15 to 20 minutes. Remove contaminated clothing and shoes. Get medical attention if irritation develops and persists.
- Inhalation : Remove to fresh air. If breathing is affected, get medical attention.
- Ingestion : If swallowed, DO NOT induce vomiting unless directed to do so by medical personnel. 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 : Fight fire from maximum distance or protected area. Cool and use caution when approaching or handling fire-exposed containers. Wear full protective clothing and positive pressure self-contained breathing apparatus.
- Flash point : < 20 °F
Method: Tag Closed Cup (TCC)
Note: Propellant

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Lower explosion limit : Note: no data available

Upper explosion limit : Note: no data available

NFPA Classification : NFPA Level 1 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.

7. HANDLING AND STORAGE

Handling

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

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.
Do not freeze.

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

Components	CAS-No.	mg/m3	ppm	Non-standard units	Basis
Butane	106-97-8	-	1,000 ppm	-	ACGIH TWA
Isobutane	75-28-5	-	1,000 ppm	-	ACGIH TWA
Propane	74-98-6	1,800 mg/m3	1,000 ppm	-	OSHA TWA
Propane	74-98-6	-	1,000 ppm	-	ACGIH TWA
Distillates (petroleum), hydrotreated light	64742-47-8	1,200 mg/m3	152 ppm	-	SUPPLIER

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 : 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.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Form	:	aerosol
Color	:	opaque
Odor	:	characteristic
pH	:	no data available
Melting point	:	no data available
Boiling point	:	not applicable
Freezing point	:	no data available
Flash point	:	< 20 °F Method: Tag Closed Cup (TCC) Propellant
Evaporation rate	:	no data available
Flammability (solid, gas)	:	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
Density	:	0.83 g/cm ³
Water solubility	:	soluble
Partition coefficient: n-octanol/water	:	not applicable
Viscosity, dynamic	:	not determined
Volatile Organic Compounds (California Air Resource Board – CARB) Total VOC (wt. %)	:	24.8 % - does not include any applicable regulatory exemptions

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10. STABILITY AND REACTIVITY

- Conditions to avoid : Heat, flames and sparks.
- Materials to avoid : Do not mix with oxidizing agents.
- Hazardous decomposition products : Thermal decomposition can lead to release of irritating gases and vapours.
- Hazardous reactions : Stable

11. TOXICOLOGICAL INFORMATION

- Acute oral toxicity : LD50
estimated
> 5,000 mg/kg
- Acute inhalation toxicity : no data available
- Acute dermal toxicity : no data available
- 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.

13. DISPOSAL CONSIDERATIONS

- Industrial setting : PESTICIDAL WASTE:
Observe all applicable Federal, Provincial and State

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regulations and Local/Municipal ordinances regarding disposal.

Household setting : Dispose of in accordance with local regulations.

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: Limited quantities derogation may be applicable to this product, please check transport documents.

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

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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.
- California Prop. 65 : This product is not subject to the reporting requirements under California's Proposition 65.
- Other regulations : All ingredients of this product comply with the New Substances Notification requirements under the Canadian Environmental Protection Act (CEPA).

Registration # / Agency
4822-394/US/EPA

16. OTHER INFORMATION

HMIS Ratings

Health	1
Flammability	4
Reactivity	0

NFPA Ratings

Health	1
Fire	4
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)
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