

Material Safety Data Sheet

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



RAID® HOUSE & GARDEN BUG KILLER FORMULA 7

Version 1.

Print Date 01/27/2009

Revision Date 11/25/2008

MSDS Number 350000003923

1. PRODUCT AND COMPANY IDENTIFICATION

Product information

Trade name : RAID® HOUSE & GARDEN BUG KILLER FORMULA 7

Use of the Substance/Preparation Company : Insecticide
: 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
Harmful if absorbed through skin. Avoid contact with skin, eyes and clothing. CONTENTS UNDER PRESSURE. Do not puncture or incinerate. Do not store at temperatures above 120 Deg. F (50 Deg C), as container may burst. Keep away from heat, sparks and flame.

Potential Health Effects

Routes of exposure : Eye, Skin, Inhalation, Ingestion.

Eyes : May cause:
Mild eye irritation

Skin : Harmful if absorbed through skin.

Inhalation : Inhalation may cause central nervous system effects.

Ingestion : None known.

Aggravated Medical Condition : None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No.	Weight %
Water	7732-18-5	60.00 - 100.00
Butane	106-97-8	5.00 - 10.00
Propane	74-98-6	5.00 - 10.00

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Isobutane	75-28-5	3.00 - 7.00
Distillates (petroleum), hydrotreated light	64742-47-8	3.00 - 7.00
Allethrin	584-79-2	0.239
d-Phenothrin	188023-86-1	0.096

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 immediately.
- Skin contact : Flush immediately with plenty of water for at least 15 to 20 minutes. Get medical attention immediately.
- Inhalation : If breathing is affected, get medical attention. Remove to fresh air.
- Ingestion : If swallowed, DO NOT induce vomiting unless directed to do so by medical personnel. 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
- Lower explosion limit : Note: no data available
- Upper explosion limit : Note: no data available
- NFPA Classification : NFPA Level 1 Aerosol

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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.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

Components	CAS-No.	mg/m3	ppm	Basis
Butane	106-97-8	-	1,000 ppm	ACGIH TWA
Propane	74-98-6	-	1,000 ppm	ACGIH TWA
Propane	74-98-6	1,800 mg/m3	1,000 ppm	OSHA 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

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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. Keep away from food, drink and animal feedingstuffs.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	:	aerosol
Color	:	opaque
Odor	:	characteristic
pH	:	no data available
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

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Water solubility	:	soluble
Partition coefficient: n-octanol/water	:	no data available
Specific Gravity	:	0.86
Percent volatile	:	no data available

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 rat Dose: estimated > 5,000 mg/kg
Acute inhalation toxicity	:	no data available
Acute dermal toxicity	:	LD50 rabbit Dose: > 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.

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12. ECOLOGICAL INFORMATION

Ecotoxicity effects : Harmful to aquatic organisms; may cause long-term adverse effects in the aquatic environment.

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)

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

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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).

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).

EPA Registration Number : 4822-283

16. OTHER INFORMATION

HMIS Ratings

Health	1
Flammability	4
Reactivity	0

NFPA Ratings

Health	1
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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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