

# Material Safety Data Sheet

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



## RAID MAX® FLYING INSECT KILLER

Version 1.

Print Date 05/04/2009

Revision Date 02/09/2009

MSDS Number 350000004533

### 1. PRODUCT AND COMPANY IDENTIFICATION

#### Product information

Trade name : RAID MAX® FLYING INSECT KILLER

Use of the Substance/Preparation Company : Insecticide  
: S.C. Johnson and Son, Limited  
1 Webster Street  
Brantford ON N3T 5R1

Emergency telephone : 24 Hour Transport & Medical Emergency Phone (866) 231-5406  
24 Hour International Emergency Phone (952) 852-4647  
24 Hour Canadian Transport Emergency Phone (CANUTEC) (613) 996-6666

### 2. HAZARDS IDENTIFICATION

#### Emergency Overview

Appearance / Odor : white / aerosol / mild

#### Immediate Concerns

: Caution  
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. Avoid contact with skin, eyes and clothing. Avoid prolonged or repeated breathing of vapor.

#### Potential Health Effects

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

Eyes : May cause:  
Mild eye irritation

Skin : May cause skin irritation.

Inhalation : May cause respiratory tract irritation.

Ingestion : Causes headache, drowsiness or other effects to the central nervous system.

Aggravated Medical Condition : None known.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No.	Weight %
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Water	7732-18-5	30.00 - 60.00
Petroleum gases, liquefied	68476-85-7	15.00 - 40.00
Distillates (petroleum), hydrotreated light	64742-47-8	5.00 - 10.00
Piperonyl butoxide	51-03-6	1.00
D-Trans-allevethrin	28057-48-9	0.25

### 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 : Flush immediately with plenty of water for at least 15 to 20 minutes. Get medical attention immediately if irritation develops and persists.
- Inhalation : Remove to fresh air. If breathing is affected, get medical attention.
- Ingestion : 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 : Cool and use caution when approaching or handling fire-exposed containers. Wear full protective clothing and positive pressure self-contained breathing apparatus. Fight fire from maximum distance or protected area.
- Flash point : < 20 °F  
Method: Tag Closed Cup (TCC)  
Note: Propellant
- Flash point : < -7 °C  
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 1 Aerosol

### 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions : Remove all sources of ignition.  
Use personal protective equipment.
- Environmental precautions : Use appropriate containment to avoid environmental contamination.
- Methods for cleaning up : Soak up with inert absorbent material.  
Dike large spills.  
Sweep up and shovel into suitable containers for disposal.

### 7. HANDLING AND STORAGE

#### Handling

- Advice on safe handling : Use only as directed.  
KEEP OUT OF REACH OF CHILDREN AND PETS.  
Do not puncture or incinerate.  
Avoid breathing vapors, mist or gas.  
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 freeze.  
Do not store at temperatures above 120 Deg. F (50 Deg C), as container may burst.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Occupational Exposure Limits

Components	CAS-No.	mg/m <sup>3</sup>	ppm	Basis
Petroleum gases, liquefied	68476-85-7	-	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.

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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. Keep away from food, drink and animal feedingstuffs.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Form	:	aerosol
Color	:	white
Odor	:	mild
pH	:	no data available
Melting point	:	no data available
Boiling point	:	100 °C
Freezing point	:	no data available
Flash point	:	< 20 °F Method: Tag Closed Cup (TCC) Propellant
Flash point	:	< -7 °C Method: Tag Closed Cup (TCC) Propellant
Evaporation rate	:	no data available
Autoignition temperature	:	no data available
Lower explosion limit	:	no data available

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Upper explosion limit	:	no data available
Vapour pressure	:	no data available
Water solubility	:	completely soluble
Partition coefficient: n-octanol/water	:	no data available
Specific Gravity	:	0.940 - 0.975

#### 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	:	no data available
Acute inhalation toxicity	:	no data available
Acute dermal toxicity	:	no data available
<b>Chronic effects</b>		
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.

### 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

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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 comply with the New Substances Notification requirements under the Canadian Environmental Protection Act (CEPA).

: 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 : P. C. P. REG. NO. 22809.08

**16. OTHER INFORMATION**

**HMIS Ratings**

Health	1
Flammability	4
Reactivity	0

**NFPA Ratings**

Health	1
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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