

# Material Safety Data Sheet

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



## RAID® WASP & HORNET KILLER 33

Version 1.2

Print Date 03/31/2011

Revision Date 03/26/2009

MSDS Number 350000010777

### 1. PRODUCT AND COMPANY IDENTIFICATION

#### Product information

Trade name : RAID® WASP & HORNET KILLER 33

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 : clear / aerosol / characteristic

#### Immediate Concerns

: Caution  
FLAMMABLE:  
May be 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 : May be harmful if absorbed through skin.  
May cause skin irritation.

Inhalation : May cause nose, throat, and lung irritation.  
Inhalation may cause central nervous system effects.

Ingestion : Aspiration hazard if swallowed - can enter lungs and cause damage.

Aggravated Medical Condition : Persons with pre-existing skin disorders may be more susceptible to irritating effects.

## Material Safety Data Sheet

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



### RAID® WASP & HORNET KILLER 33

Version 1.2

Print Date 03/31/2011

Revision Date 03/26/2009

MSDS Number 350000010777

#### 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name                               | CAS-No.    | Weight %       |
|---------------------------------------------|------------|----------------|
| Distillates (petroleum), hydrotreated light | 64742-47-8 | 60.00 - 100.00 |
| Carbon dioxide                              | 124-38-9   | 1.00 - 5.00    |
| Isopropanol                                 | 67-63-0    | 1.00 - 5.00    |
| Cis-,Trans-Cypermethrin                     | 52315-07-8 | 0.05           |
| Prallethrin                                 | 23031-36-9 | 0.02           |

#### 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 : Wash off with soap and water. 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. Get medical attention immediately.

#### 5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Alcohol foam, carbon dioxide, dry chemical, water fog,
- Specific hazards during fire fighting : Do not allow run-off from fire fighting to enter drains or water courses. 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 : estimated 22 °C
- Flash point : estimated 71 °F
- Lower explosion limit : Note: no data available
- Upper explosion limit : Note: no data available

## Material Safety Data Sheet

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



### RAID® WASP & HORNET KILLER 33

Version 1.2

Print Date 03/31/2011

Revision Date 03/26/2009

MSDS Number 350000010777

NFPA Classification : NFPA Level 3 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 : KEEP OUT OF REACH OF CHILDREN AND PETS.  
Avoid prolonged or repeated breathing of vapor.  
Avoid contact with skin, eyes and clothing.  
Do not puncture or incinerate.  
Use only as directed.

Advice on protection against fire and explosion : Keep away from heat and sources of ignition.

##### Storage

Requirements for storage areas and containers : Keep container closed when not in use.  
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.

## Material Safety Data Sheet

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



### RAID® WASP & HORNET KILLER 33

Version 1.2

Print Date 03/31/2011

Revision Date 03/26/2009

MSDS Number 350000010777

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Occupational Exposure Limits

| Components     | CAS-No.  | mg/m3       | ppm        | Basis      |
|----------------|----------|-------------|------------|------------|
| Carbon dioxide | 124-38-9 | -           | 30,000 ppm | ACGIH STEL |
| Carbon dioxide | 124-38-9 | -           | 5,000 ppm  | ACGIH TWA  |
| Carbon dioxide | 124-38-9 | 9,000 mg/m3 | 5,000 ppm  | OSHA TWA   |
| Isopropanol    | 67-63-0  | -           | 400 ppm    | ACGIH STEL |
| Isopropanol    | 67-63-0  | -           | 200 ppm    | ACGIH TWA  |
| Isopropanol    | 67-63-0  | 980 mg/m3   | 400 ppm    | OSHA 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 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. Keep away from food, drink and animal feedingstuffs.

## Material Safety Data Sheet

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



### RAID® WASP & HORNET KILLER 33

Version 1.2

Print Date 03/31/2011

Revision Date 03/26/2009

MSDS Number 350000010777

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

|                           |                                               |
|---------------------------|-----------------------------------------------|
| Form                      | : aerosol                                     |
| Color                     | : clear                                       |
| Odor                      | : characteristic                              |
| pH                        | : not applicable                              |
| Boiling point             | : no data available                           |
| Flash point               | : estimated 22 °C                             |
| Flash point               | : estimated 71 °F                             |
| Flammability (solid, gas) | : Sustains combustion                         |
| Lower explosion limit     | : no data available                           |
| Upper explosion limit     | : no data available                           |
| Vapour pressure           | : not applicable                              |
| Density                   | : 0.81 g/cm <sup>3</sup><br>at 21 °C GLP: yes |
| Water solubility          | : insoluble                                   |
| Viscosity, kinematic      | : 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<br>Dose: > 5,000 mg/kg |
|---------------------|-----------------------------------|

## Material Safety Data Sheet

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



### RAID® WASP & HORNET KILLER 33

Version 1.2

Print Date 03/31/2011

Revision Date 03/26/2009

MSDS Number 350000010777

Acute inhalation toxicity : LC50 rat  
Dose: > 5.47 mg/l

Acute dermal toxicity : LD50 rabbit  
Dose: > 5,000 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.

### 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 : Dispose of in accordance with local regulations.

### 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)

## Material Safety Data Sheet

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



### RAID® WASP & HORNET KILLER 33

Version 1.2

Print Date 03/31/2011

Revision Date 03/26/2009

MSDS Number 350000010777

#### 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

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.

California Prop. 65 : This product does not contain any chemicals known to State of California to cause cancer, birth, or any other reproductive defects.

EPA Registration Number : 4822-553

### 16. OTHER INFORMATION

#### HMIS Ratings

# Material Safety Data Sheet

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



## RAID® WASP & HORNET KILLER 33

Version 1.2

Print Date 03/31/2011

Revision Date 03/26/2009

MSDS Number 350000010777

|              |   |
|--------------|---|
| Health       | 2 |
| Flammability | 3 |
| Reactivity   | 0 |

### NFPA Ratings

|            |   |
|------------|---|
| Health     | 2 |
| Fire       | 3 |
| 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) |
|--------------|------------------------------------------------------------------|