

# Material Safety Data Sheet

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



## RAID® ANT & ROACH KILLER 17 (OUTDOOR FRESH®)

Version 3.1

Print Date 02/01/2014

Revision Date 01/10/2014

MSDS Number 350000017507

### 1. PRODUCT AND COMPANY IDENTIFICATION

#### Product information

Trade name : RAID® ANT & ROACH KILLER 17 (OUTDOOR FRESH®)

Use of the Substance/Mixture : Insecticide

Company : S.C. Johnson & Son, Inc.  
1525 Howe Street  
Racine WI 53403-2236

Emergency telephone number : 24 Hour Medical Emergency Phone: (866)231-5406  
24 Hour International Emergency Phone: (703)527-3887  
24 Hour Transport Emergency Phone: (800)424-9300

### 2. HAZARDS IDENTIFICATION

#### Emergency Overview

Appearance / Odor : clear / aerosol / pleasant

#### Immediate Concerns

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

#### Potential Health Effects

Exposure routes : Eye, Skin, Inhalation, Ingestion.

Eyes : May cause:  
Mild eye irritation

Skin : May cause skin reactions in rare cases.  
Causes moderate skin irritation.  
May cause transient tingling and reddening of the skin.

Inhalation : Excessive exposures may affect human health, as follows:  
May cause nose, throat, and lung irritation.  
Inhalation may cause central nervous system effects.

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

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May cause abdominal discomfort.  
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.  
Individuals with chronic respiratory disorders such as asthma, chronic bronchitis, emphysema, etc. may be more susceptible to irritating effects

### 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:

Chemical Name	CAS-No.	Weight percent
Hydrocarbon Solvent (CAS#s 629-59-4, 629-62-9, 544-76-3 or 64742-47-8)	Mixture	10.00 - 30.00
Petroleum gases, liquefied	68476-85-7	7.00 - 13.00
Isopropanol	67-63-0	1.00 - 5.00
Imiprothrin	72963-72-5	0.10 - 1.00
Cypermethrin	52315-07-8	0.0001 - 0.10

For additional information on product ingredients, see [www.whatsinsidescjohnson.com](http://www.whatsinsidescjohnson.com).

### 4. FIRST AID MEASURES

Eye contact : Rinse with plenty of water. Get medical attention if irritation develops and persists.

Skin contact : Wash off immediately with plenty of water. Remove contaminated clothing and shoes. Get medical attention if irritation develops and persists. Wash clothing before reuse. Thoroughly clean shoes before reuse.

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.

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#### 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- Specific hazards during firefighting : Aerosol Product - Containers may rocket or explode in heat of fire. Do not allow run-off from fire fighting to enter drains or water courses.
- 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. In case of fire and/or explosion do not breathe fumes. For large quantities of flammable liquids, consider containment to prevent the spread of fire.
- Flash point : -7 °C  
19.4 °F
- Lower explosion limit : Note: no data available
- Upper explosion limit : Note: no data available

#### 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions : Remove all sources of ignition.  
Wear personal protective equipment.
- Environmental precautions : Do not flush into surface water or sanitary sewer system.  
Use appropriate containment to avoid environmental contamination.  
Outside of normal use, avoid release to the environment.
- Methods for cleaning up : If damage occurs to aerosol can:  
Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).  
Use only non-sparking equipment.  
Clean residue from spill site.

#### 7. HANDLING AND STORAGE

##### Handling

- Advice on safe handling : Avoid contact with skin, eyes and clothing.  
Do not puncture or incinerate.

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Do not enter places where used or stored until adequately ventilated.

Avoid breathing vapours, mist or gas.

For personal protection see section 8.

Do not spray toward face.

Do not use in areas without adequate ventilation.

Use only as directed.

KEEP OUT OF REACH OF CHILDREN AND PETS.

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

### Storage

Requirements for storage areas and containers : Keep away from food, drink and animal feedingstuffs. Do not store at temperatures above 120 Deg. F (50 Deg C), as container may burst. Keep in a dry, cool and well-ventilated place.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Occupational Exposure Limits

Components	CAS-No.	mg/m <sup>3</sup>	ppm	Non-standard units	Basis
Isopropanol	67-63-0	980 mg/m <sup>3</sup>	400 ppm	-	OSHA TWA
Isopropanol	67-63-0	-	400 ppm	-	ACGIH STEL
Isopropanol	67-63-0	-	200 ppm	-	ACGIH TWA
Petroleum gases, liquefied	68476-85-7	1,800 mg/m <sup>3</sup>	1,000 ppm	-	OSHA TWA
Petroleum gases, liquefied	68476-85-7	-	1,000 ppm	-	ACGIH TWA

### Personal protective equipment

**Respiratory protection** : Use only with adequate ventilation. Do not spray in enclosed areas.

**Hand protection** : If prolonged or repeated contact is possible: Wear suitable gloves.

**Eye protection** : No special requirements.

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- Skin and body protection** : No special requirements.
- Hygiene measures** : Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling.

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

- Form : aerosol
- Color : clear
- Odor : pleasant
- pH : no data available
- Boiling point : no data available
- Freezing point : no data available
- Flash point : -7 °C  
19.4 °F
- Evaporation rate : no data available
- Flammability (solid, gas) : no data available
- Lower explosion limit : no data available
- Upper explosion limit : no data available
- Vapour pressure : no data available
- Density : 0.877 g/cm<sup>3</sup>  
at 21.11 °C
- Water solubility : partly soluble
- Viscosity, dynamic : no data available
- Volatile Organic Compounds : 12.1 % - additional exemptions may apply  
Total VOC (wt. %)\*  
\*as defined by US Federal and State Consumer Product Regulations

#### 10. STABILITY AND REACTIVITY

- Conditions to avoid : Heat, flames and sparks.
- Materials to avoid : Oxidizing agents

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Hazardous decomposition products : Thermal decomposition can lead to release of irritating gases and vapours.

Hazardous reactions : Stable under recommended storage conditions.

#### 11. TOXICOLOGICAL INFORMATION

Acute oral toxicity : LD50  
estimated  
> 5,000 mg/kg

Acute inhalation toxicity : LC50  
estimated  
> 5.1 mg/l

Acute dermal toxicity : LD50  
estimated  
> 5,000 mg/kg

##### Chronic effects

Carcinogenicity : None Anticipated

Mutagenicity : None Anticipated

Reproductive effects : None Anticipated

Teratogenicity : None Anticipated

Sensitisation : Substance is not a sensitizer.

#### 12. ECOLOGICAL INFORMATION

Ecotoxicity effects : no data available

#### 13. DISPOSAL CONSIDERATIONS

PESTICIDAL WASTE:  
Observe all applicable Federal, Provincial and State

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regulations and Local/Municipal ordinances regarding disposal.  
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:**

Proper shipping name UN 1950 AEROSOLS, Flammable, 2.1  
Class: 2.1  
UN number 1950  
Packaging group: None.  
Note: SC Johnson ships this product as INSECTICIDES OR INSECT REPELLENTS, NOI, OTHER THAN POISON.

##### Sea transport

▪ *IMDG:*

Proper shipping name UN 1950 AEROSOLS, Flammable, 2.1  
Class: 2  
UN number: 1950  
Packaging group: None.  
EmS: F-D, S-U  
Note: Limited quantities derogation may be applicable to this product, please check transport documents.

##### Air transport

▪ *ICAO/IATA:*

Proper shipping name UN 1950 AEROSOLS, Flammable, 2.1  
Class: 2.1  
UN/ID No.: UN 1950  
Packaging group: None.  
Note: SC Johnson typically does not ship products via air. Refer to IATA/ICAO Dangerous Goods 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 does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

**Registration # / Agency**

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4822-447/US/EPA

### 16. OTHER INFORMATION

#### HMIS Ratings

Health	2
Flammability	4
Reactivity	0

#### NFPA Ratings

Health	2
Fire	4
Reactivity	0
Special	-

This information is being provided in accordance with Occupational Safety and Health Administration (OSHA) and Canada's Workplace Hazard Material Information System (WHMIS) regulations. The information supplied is designed for workplaces where product use and frequency of exposure exceeds that established for the labeled consumer use.

#### 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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