

Material Safety Data Sheet

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



RAID® ANT, ROACH AND EARWIG BUG KILLER 16 A (REG. NO. 27106 P.C.P. ACT)

Version 1.0

Print Date 04/12/2010

Revision Date 09/23/2008

MSDS Number 350000010616

1. PRODUCT AND COMPANY IDENTIFICATION

Product information

Trade name : RAID® ANT, ROACH AND EARWIG BUG KILLER 16 A (REG. NO. 27106 P.C.P. ACT)

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 : colourless / aerosol / pleasant

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 breathing vapors, mist or gas.

Potential Health Effects

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

Eyes : May cause:
Moderate eye irritation

Skin : Prolonged or repeated contact may dry skin and cause irritation.

Inhalation : May be harmful if inhaled.

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

Aggravated Medical Condition : None known.

Material Safety Data Sheet

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



RAID® ANT, ROACH AND EARWIG BUG KILLER 16 A (REG. NO. 27106 P.C.P. ACT)

Version 1.0

Print Date 04/12/2010

Revision Date 09/23/2008

MSDS Number 350000010616

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No.	Weight %
Deionized Water	7732-18-5	40.00 - 70.00
Distillates (petroleum), hydrotreated light	64742-47-8	10.00 - 30.00
Propane	74-98-6	5.00 - 10.00
Isobutane	75-28-5	1.00 - 5.00
Isopropanol	67-63-0	1.00 - 5.00
Piperonyl butoxide	51-03-6	0.25
Permethrin	52645-53-1	0.20
Pyrethrins	8003-34-7	0.13

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. 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. Standard procedure for chemical fires.
- Flash point : < 20 °F
Method: Tag Closed Cup (TCC)
- Flash point : < -7 °C

Material Safety Data Sheet

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



RAID® ANT, ROACH AND EARWIG BUG KILLER 16 A (REG. NO. 27106 P.C.P. ACT)

Version 1.0

Print Date 04/12/2010

Revision Date 09/23/2008

MSDS Number 350000010616

Method: Tag Closed Cup (TCC)

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.
Do not flush into surface water or sanitary sewer system.

Methods for cleaning up : Soak up with inert absorbent material.
Sweep up and shovel into suitable containers for disposal.
Dike large spills.

7. HANDLING AND STORAGE

Handling

Advice on safe handling : Use only as directed.
KEEP OUT OF REACH OF CHILDREN AND PETS.
Avoid contact with skin, eyes and clothing.
Avoid breathing vapors, mist or gas.

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.

Material Safety Data Sheet

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



RAID® ANT, ROACH AND EARWIG BUG KILLER 16 A (REG. NO. 27106 P.C.P. ACT)

Version 1.0

Print Date 04/12/2010

Revision Date 09/23/2008

MSDS Number 350000010616

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

Components	CAS-No.	mg/m3	ppm	Basis
Propane	74-98-6	-	1,000 ppm	ACGIH TWA
Isobutane	75-28-5	-	1,000 ppm	ACGIH TWA
Isopropanol	67-63-0	-	400 ppm	ACGIH STEL
Isopropanol	67-63-0	-	200 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 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:
Wear splash-resistant Chemical goggles.

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

Material Safety Data Sheet

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



RAID® ANT, ROACH AND EARWIG BUG KILLER 16 A (REG. NO. 27106 P.C.P. ACT)

Version 1.0

Print Date 04/12/2010

Revision Date 09/23/2008

MSDS Number 350000010616

Color	: colourless
Odor	: pleasant
pH	: not applicable
Boiling point	: not applicable
Flash point	: < 20 °F Method: Tag Closed Cup (TCC)
Flash point	: < -7 °C Method: Tag Closed Cup (TCC)
Autoignition temperature	: no data available
Lower explosion limit	: no data available
Upper explosion limit	: no data available
Vapour pressure	: not determined
Density	: 0.79 g/cm ³ at 21 °C
Water solubility	: partly soluble
Viscosity, kinematic	: not applicable
Specific Gravity	: 0.79

10. STABILITY AND REACTIVITY

Conditions to avoid	: Heat, flames and sparks.
Materials to avoid	: Do not mix with oxidizing agents. Natural Rubber Plastic
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
---------------------	---

Material Safety Data Sheet

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



RAID® ANT, ROACH AND EARWIG BUG KILLER 16 A (REG. NO. 27106 P.C.P. ACT)

Version 1.0

Print Date 04/12/2010

Revision Date 09/23/2008

MSDS Number 350000010616

Acute inhalation toxicity	: LC50 rat Dose: > 5.0 mg/l
Acute dermal toxicity	: LD50 rabbit Dose: estimated > 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.

12. ECOLOGICAL INFORMATION

Ecotoxicity effects	: Harmful to aquatic organisms.
---------------------	---------------------------------

13. DISPOSAL CONSIDERATIONS

Industrial setting	: PESTICIDAL WASTE: Observe all applicable Federal, Provincial and State regulations and Local/Municipal ordinances regarding disposal.
Household setting	: Where possible recycling is preferred to disposal or incineration.

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.

Material Safety Data Sheet

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



RAID® ANT, ROACH AND EARWIG BUG KILLER 16 A (REG. NO. 27106 P.C.P. ACT)

Version 1.0

Print Date 04/12/2010

Revision Date 09/23/2008

MSDS Number 350000010616

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

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. 27106

Material Safety Data Sheet

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



RAID® ANT, ROACH AND EARWIG BUG KILLER 16 A (REG. NO. 27106 P.C.P. ACT)

Version 1.0

Print Date 04/12/2010

Revision Date 09/23/2008

MSDS Number 350000010616

16. OTHER INFORMATION

HMIS Ratings

Health	2
Flammability	4
Reactivity	0

NFPA Ratings

Health	2
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)
--------------	--