

Material Safety Data Sheet

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



Raid® Wasp & Hornet Bug Killer 7 (REG NO 29776 P.C.P. ACT)

Version 1.0

Print Date 04/20/2012

Revision Date 10/05/2011

MSDS Number 350000018988
SITE_FORM Number
300000000000000014121.001

1. PRODUCT AND COMPANY IDENTIFICATION

Product information

Trade name : Raid® Wasp & Hornet Bug Killer 7 (REG NO 29776 P.C.P. ACT)

Use of the Substance/Mixture : Insecticide

Company : S.C. Johnson and Son, Limited
1 Webster Street
Brantford ON N3T 5R1

Emergency telephone number : 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 / Chemical

Immediate Concerns

: Caution
COMBUSTIBLE:
CAUSES EYE IRRITATION.
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.
May be harmful if absorbed through skin.

Potential Health Effects

Exposure routes : Eye, Skin, Inhalation, Ingestion.

Eyes : Causes:
Moderate eye irritation

Skin : May cause skin reactions in rare cases.
Prolonged or repeated contact may dry skin and cause irritation.
May be harmful if absorbed through skin.

Material Safety Data Sheet

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



Raid® Wasp & Hornet Bug Killer 7 (REG NO 29776 P.C.P. ACT)

Version 1.0

Print Date 04/20/2012

Revision Date 10/05/2011

MSDS Number 350000018988
SITE_FORM Number
300000000000000014121.001

- 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.
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
Distillates (petroleum), hydrotreated light	64742-47-8	60.00 - 100.00
Carbon dioxide	124-38-9	1.00 - 5.00
Tetramethrin	7696-12-0	0.10 - 1.00
D-Phenothrin	26002-80-2	0.10 - 1.00

For additional information on product ingredients, see www.whatsinsidescjohnson.com.

4. FIRST AID MEASURES

- Eye contact : Remove contact lenses. 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. 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.

Material Safety Data Sheet

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



Raid® Wasp & Hornet Bug Killer 7 (REG NO 29776 P.C.P. ACT)

Version 1.0

Print Date 04/20/2012

Revision Date 10/05/2011

MSDS Number 350000018988
SITE_FORM Number
300000000000000014121.001

5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- Specific hazards during firefighting : Do not use a solid water stream as it may scatter and spread fire. 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.
- Flash point : 89 °C
192.2 °F
Method: Tag Closed Cup (TCC)
- Lower explosion limit : Note: no data available
- Upper explosion limit : Note: no data available
- NFPA Classification : NFPA Level 3 Aerosol

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.
Dike large spills.
Clean residue from spill site.

Material Safety Data Sheet

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



Raid® Wasp & Hornet Bug Killer 7 (REG NO 29776 P.C.P. ACT)

Version 1.0

Print Date 04/20/2012

Revision Date 10/05/2011

MSDS Number 350000018988
SITE_FORM Number
300000000000000014121.001

7. HANDLING AND STORAGE

Handling

Advice on safe handling : Avoid contact with skin, eyes and clothing.
Do not puncture or incinerate.
Do not enter places where used or stored until adequately ventilated.
Avoid breathing vapors, 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.
Smoking, eating and drinking should be prohibited in the application area.

Advice on protection against fire and explosion : Keep away from heat and sources of ignition.
Take measures to prevent the build up of electrostatic charge.

Storage

Requirements for storage areas and containers : Keep away from food, drink and animal feedingsuffs.
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/m3	ppm	Non-standard units	Basis
Distillates (petroleum), hydrotreated light	64742-47-8	1,200 mg/m3	152 ppm	-	SUPPLIER
Carbon dioxide	124-38-9	-	30,000 ppm	-	ACGIH STEL
Carbon dioxide	124-38-9	-	5,000 ppm	-	ACGIH TWA

Personal protective equipment

Respiratory protection

Material Safety Data Sheet

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



Raid® Wasp & Hornet Bug Killer 7 (REG NO 29776 P.C.P. ACT)

Version 1.0

Print Date 04/20/2012

Revision Date 10/05/2011

MSDS Number 350000018988
SITE_FORM Number
300000000000000014121.001

Industrial setting : Use only with adequate ventilation.
Do not spray in enclosed areas.

Household setting : Use only with adequate ventilation.

Hand protection : Rubber gloves

Eye protection

Industrial setting : Safety glasses with side-shields

Household setting : Avoid contact with eyes.

Skin and body protection : No special requirements.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling. Smoking, eating and drinking should be prohibited in the application area.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form : aerosol

Color : colourless

Odor : Chemical

pH : not applicable

Boiling point : no data available

Freezing point : no data available

Flash point : 89 °C
192.2 °F
Method: Tag Closed Cup (TCC)

Evaporation rate : no data available

Flammability (solid, gas) : no data available

Autoignition temperature : no data available

Lower explosion limit : no data available

Upper explosion limit : no data available

Material Safety Data Sheet

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



Raid® Wasp & Hornet Bug Killer 7 (REG NO 29776 P.C.P. ACT)

Version 1.0

Print Date 04/20/2012

Revision Date 10/05/2011

MSDS Number 350000018988
SITE_FORM Number
300000000000000014121.001

Vapour pressure	:	no data available
Density	:	0.876 g/cm ³ at 20 °C
Water solubility	:	negligible
Viscosity, dynamic	:	8.5 mPa.s at 22 °C
Volatile Organic Compounds Total VOC (wt. %)*	:	0.9 % - additional exemptions may apply *as defined by US Federal and State Consumer Product Regulations

10. STABILITY AND REACTIVITY

Conditions to avoid	:	Heat, flames and sparks. Direct sources of heat.
Materials to avoid	:	Strong oxidizing agents
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 Oral Measured > 5,000 mg/kg
Acute inhalation toxicity	:	LC50 Measured > 5.14 mg/l
Acute dermal toxicity	:	LD50 Dermal Measured > 2,000 mg/kg

Material Safety Data Sheet

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



Raid® Wasp & Hornet Bug Killer 7 (REG NO 29776 P.C.P. ACT)

Version 1.0

Print Date 04/20/2012

Revision Date 10/05/2011

MSDS Number 350000018988
SITE_FORM Number
300000000000000014121.001

Chronic effects

Carcinogenicity : None Anticipated
Mutagenicity : None Anticipated
Reproductive effects : None Anticipated
Teratogenicity : None Anticipated
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

PESTICIDAL WASTE:
Observe all applicable Federal, Provincial and State 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: Limited quantities derogation may be applicable to this product, please check transport documents.

Sea transport

▪ **IMDG:**
Proper shipping name UN 1950 AEROSOLS, Flammable, 2.1
Class: 2
UN number: 1950

Material Safety Data Sheet

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



Raid® Wasp & Hornet Bug Killer 7 (REG NO 29776 P.C.P. ACT)

Version 1.0

Print Date 04/20/2012

Revision Date 10/05/2011

MSDS Number 350000018988
SITE_FORM Number
300000000000000014121.001

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, 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

Notification status : All ingredients of this product comply with the New Substances Notification requirements under the Canadian Environmental Protection Act (CEPA).
Canada Regulations : 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.

16. OTHER INFORMATION

HMIS Ratings

Health	2
Flammability	2
Reactivity	0

NFPA Ratings

Health	2
Fire	2
Reactivity	0
Special	-

Material Safety Data Sheet

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



Raid® Wasp & Hornet Bug Killer 7 (REG NO 29776 P.C.P. ACT)

Version 1.0

Print Date 04/20/2012

Revision Date 10/05/2011

MSDS Number 350000018988
SITE_FORM Number
300000000000000014121.001

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)
--------------	--