

Material Safety Data Sheet

according to ANSI Z400.1- 2004 and 29 CFR 1910.1226



RAID EARTHBLEND[®] MULTI-BUG KILLER (REG. NO. 26909 P.C.P. ACT)

Version 2.0

Print Date 06/17/2011

Revision Date 03/30/2011

MSDS Number 350000004246

SITE_FORM Number

300000000000000003572.004

1. PRODUCT AND COMPANY IDENTIFICATION

Product information

Trade name : RAID EARTHBLEND[®] MULTI-BUG KILLER (REG. NO. 26909 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 / pleasant

Immediate Concerns

: Caution
Avoid contact with skin, eyes and clothing.
Keep away from heat, sparks and flame.
Contents under pressure.
Do not puncture or incinerate.
Do not store at temperatures above 120 Deg. F (50 Deg C), as container may burst.
Avoid prolonged or repeated breathing of vapor.

Potential Health Effects

Exposure routes : Eye, Skin, Inhalation, Ingestion.

Eyes : May cause:
Mild 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.
May cause systemic effects.

Inhalation : May cause nose, throat, and lung irritation.

Material Safety Data Sheet

according to ANSI Z400.1- 2004 and 29 CFR 1910.1226



RAID EARTHBLEND[®] MULTI-BUG KILLER (REG. NO. 26909 P.C.P. ACT)

Version 2.0

Print Date 06/17/2011

Revision Date 03/30/2011

MSDS Number 350000004246
SITE_FORM Number
30000000000000003572.004

- Ingestion : May cause irritation to mouth, throat and stomach.
May cause abdominal discomfort.
- 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
Isobutane	75-28-5	10.00 - 30.00
Propane	74-98-6	1.00 - 5.00
Piperonyl butoxide	51-03-6	0.10 - 1.00
Pyrethrins	8003-34-7	0.10 - 1.00

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

4. FIRST AID MEASURES

- Eye contact : Rinse with plenty of water. 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.

5. FIRE-FIGHTING MEASURES

- Suitable extinguishing : Use water spray, alcohol-resistant foam, dry chemical or

Material Safety Data Sheet

according to ANSI Z400.1- 2004 and 29 CFR 1910.1226



RAID EARTHBLEND[®] MULTI-BUG KILLER (REG. NO. 26909 P.C.P. ACT)

Version 2.0

Print Date 06/17/2011

Revision Date 03/30/2011

MSDS Number 350000004246
SITE_FORM Number
300000000000000003572.004

media	carbon dioxide.
Specific hazards during fire fighting	: 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	: < -7 °C < 19.4 °F Method: Tag Closed Cup (TCC) Note: Propellant
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. 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 : Do not puncture or incinerate.

Material Safety Data Sheet

according to ANSI Z400.1- 2004 and 29 CFR 1910.1226



RAID EARTHBLEND[®] MULTI-BUG KILLER (REG. NO. 26909 P.C.P. ACT)

Version 2.0

Print Date 06/17/2011

Revision Date 03/30/2011

MSDS Number 350000004246
SITE_FORM Number
30000000000000003572.004

Do not enter places where used or stored until adequately ventilated.
Avoid breathing vapors, mist or gas.
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.

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 ³	ppm	Non-standard units	Basis
Isobutane	75-28-5	-	1,000 ppm	-	ACGIH TWA
Propane	74-98-6	-	1,000 ppm	-	ACGIH TWA

Personal protective equipment

Respiratory protection

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

Material Safety Data Sheet

according to ANSI Z400.1- 2004 and 29 CFR 1910.1226



RAID EARTHBLEND[®] MULTI-BUG KILLER (REG. NO. 26909 P.C.P. ACT)

Version 2.0

Print Date 06/17/2011

Revision Date 03/30/2011

MSDS Number 350000004246
SITE_FORM Number
30000000000000003572.004

Industrial setting : No special requirements.

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 : pleasant

pH : not applicable

Boiling point : not applicable

Freezing point : no data available

Flash point : < -7 °C
< 19.4 °F
Method: Tag Closed Cup (TCC)
Propellant

Evaporation rate : no data available

Flammability (solid, gas) : Does not sustain combustion.

Autoignition temperature : no data available

Lower explosion limit : no data available

Upper explosion limit : no data available

Vapour pressure : not applicable

Density : 0.804 g/cm³

Water solubility : partly soluble

Material Safety Data Sheet

according to ANSI Z400.1- 2004 and 29 CFR 1910.1226



RAID EARTHBLEND[®] MULTI-BUG KILLER (REG. NO. 26909 P.C.P. ACT)

Version 2.0

Print Date 06/17/2011

Revision Date 03/30/2011

MSDS Number 350000004246
SITE_FORM Number
30000000000000003572.004

Partition coefficient: n-octanol/water	:	no data available
Viscosity, dynamic	:	no data available
Viscosity, kinematic	:	not applicable
Volatile Organic Compounds (California Air Resource Board – CARB) Total VOC (wt. %)	:	30.1 % - does not include any applicable regulatory exemptions

10. STABILITY AND REACTIVITY

Conditions to avoid	:	Heat, flames and sparks.
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 estimated > 5,000 mg/kg
Acute inhalation toxicity	:	LC50 estimated > 9.2 mg/l
Acute dermal toxicity	:	LD50 estimated > 2,000 mg/kg
Chronic effects		
Carcinogenicity	:	no data available
Mutagenicity	:	no data available

Material Safety Data Sheet

according to ANSI Z400.1- 2004 and 29 CFR 1910.1226



RAID EARTHBLEND[®] MULTI-BUG KILLER (REG. NO. 26909 P.C.P. ACT)

Version 2.0

Print Date 06/17/2011

Revision Date 03/30/2011

MSDS Number 350000004246
SITE_FORM Number
300000000000000003572.004

Reproductive effects : no data available

Teratogenicity : no data available

Sensitisation : Not known to be a sensitizer.

12. ECOLOGICAL INFORMATION

Ecotoxicity effects : no data available

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: SC Johnson ships this product as Consumer Commodity ORM-D (non-bulk packages)

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.

Material Safety Data Sheet

according to ANSI Z400.1- 2004 and 29 CFR 1910.1226



RAID EARTHBLEND[®] MULTI-BUG KILLER (REG. NO. 26909 P.C.P. ACT)

Version 2.0

Print Date 06/17/2011

Revision Date 03/30/2011

MSDS Number 350000004246
SITE_FORM Number
30000000000000003572.004

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	1
Flammability	4
Reactivity	0

NFPA Ratings

Health	1
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.

Material Safety Data Sheet

according to ANSI Z400.1- 2004 and 29 CFR 1910.1226



RAID EARTHBLEND[®] MULTI-BUG KILLER (REG. NO. 26909 P.C.P. ACT)

Version 2.0

Print Date 06/17/2011

Revision Date 03/30/2011

MSDS Number 350000004246
SITE_FORM Number
30000000000000003572.004

Prepared by:	SC Johnson Global Safety Assessment & Regulatory Affairs (GSARA)
--------------	--