

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



RAID Max Defend Perimeter Protection (EPA REG. NO. 4822-561)

Version 1.0

Print Date 04/02/2024

Revision Date 07/26/2019

SDS Number 350000033907

GEN_SOF Number 61711

1. PRODUCT AND COMPANY IDENTIFICATION

Product information

Product name : RAID Max Defend Perimeter Protection (EPA REG. NO. 4822-561)

Recommended use : Insecticide

Restrictions on use : Use only as directed on label

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

Telephone : +1-800-558-5252

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

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Globally Harmonized System (GHS) Classification

This product does not meet the criteria for classification in any hazard class according to regulation OSHA 29 CFR 1910.1200.

Labelling

Precautionary statements

Other hazards : None identified

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS-No.	Weight percent
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Deltamethrin	52918-63-5	0.0001 - 0.10
Methylchloroithiazolinone & Methylisothiazolinone (3:1)	55965-84-9	0.0001 - 0.10

The specific chemical identity and/or exact percentage (concentration) of this composition has been withheld as a trade secret.

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

4. FIRST AID MEASURES

Description of first aid measures

Eye contact : No special requirements

Skin contact : No special requirements

Inhalation : No special requirements.

Ingestion : No special requirements

Most important symptoms and effects, both acute and delayed

Eyes : No adverse effects expected when used as directed.

Skin effect : No adverse effects expected when used as directed.

Inhalation : No adverse effects expected when used as directed.

Ingestion : No adverse effects expected when used as directed.

Indication of any immediate medical attention and special treatment needed

See Description of first aid measures unless otherwise stated.

5. FIREFIGHTING MEASURES

Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Specific hazards during : Container may melt and leak in heat of fire. Do not allow run-off

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firefighting

from fire fighting to enter drains or water courses.

Further information

: Fight fire from maximum distance or protected area. Wear full protective clothing and positive pressure self-contained breathing apparatus. In case of fire and/or explosion do not breathe fumes.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

: Wear personal protective equipment.
Wash thoroughly after handling.

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 and materials for containment and cleaning up

: Dike large spills.
Clean residue from spill site.

7. HANDLING AND STORAGE

Handling

Precautions for safe handling

: Avoid contact with skin, eyes and clothing.
Do not enter places where used or stored until adequately ventilated.
For personal protection see section 8.
Use only as directed.
KEEP OUT OF REACH OF CHILDREN AND PETS.

Advice on protection against fire and explosion

: Normal measures for preventive fire protection.

Storage

Requirements for storage areas and containers

: Keep container closed when not in use.
Keep away from food, drink and animal feedingstuffs.
Keep in a dry, cool and well-ventilated place.

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Other data : Stable at normal ambient temperature and pressure.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

ACGIH or OSHA exposure limits have not been established for this product or reportable ingredients unless noted in the table above.

Personal protective equipment

Respiratory protection : Do not spray in enclosed areas.

Hand protection : No special requirements.

Eye protection : No special requirements.

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 : liquid

Color : clear

Odour : odourless

Odour Threshold : Test not applicable for this product type

pH : 5.4 - 6.2
at (20 °C)

Melting point/freezing point : 0 C

**Initial boiling point and
boiling range** : 100 C

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Flash point	: does not flash
Evaporation rate	: Test not applicable for this product type
Flammability (solid, gas)	: Test not applicable for this product type
Upper/lower flammability or explosive limits	: Test not applicable for this product type
Vapour pressure	: Test not applicable for this product type
Vapour density	: Test not applicable for this product type
Relative density	: 0.962 g/ml at 20 C
Solubility(ies)	: completely soluble
Partition coefficient: n-octanol/water	: Test not applicable for this product type
Auto-ignition temperature	: Test not applicable for this product type
Decomposition temperature	: Test not applicable for this product type
Viscosity, dynamic	: 269 mPa.s at 20 C Method: ASTM D 2196
Viscosity, kinematic	: Test not applicable for this product type

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Oxidizing properties	: Test not applicable for this product type	
Volatile Organic Compounds Total VOC (wt. %)*	: 0.7 % - additional exemptions may apply *as defined by US Federal and State Consumer Product Regulations	
Other information	: None identified	:

10. STABILITY AND REACTIVITY

Reactivity	: No dangerous reaction known under conditions of normal use.
Chemical stability	: Stable under recommended storage conditions.
Possibility of hazardous reactions	: If accidental mixing occurs and toxic gas is formed, exit area immediately. Do not return until well ventilated.
Conditions to avoid	: Direct sources of heat.
Incompatible materials	: Do not mix with bleach or any other household cleaners. Strong bases
Hazardous decomposition products	: Thermal decomposition can lead to release of irritating gases and vapours.

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity	: LD50 > 5,000 mg/kg
Acute inhalation toxicity	: LC50 > 5.49 mg/l
Acute dermal toxicity	: LD50 > 5,000 mg/kg

GHS Properties	Classification	Routes of entry
Acute toxicity	No classification proposed	Oral

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Acute toxicity	No classification proposed	Dermal
Acute toxicity	No classification proposed	Inhalation - Dust and Mist
Acute toxicity	No classification proposed	Inhalation - Vapour
Acute toxicity	No classification proposed	Inhalation - Gas
Skin corrosion/irritation	No classification proposed	-
Serious eye damage/eye irritation	No classification proposed	-
Skin sensitisation	No classification proposed	-
Respiratory sensitisation	No classification proposed	-
Germ cell mutagenicity	No classification proposed	-
Carcinogenicity	No classification proposed	-
Reproductive toxicity	No classification proposed	-
Specific target organ toxicity - single exposure	No classification proposed	-
Specific target organ toxicity - repeated exposure	No classification proposed	-
Aspiration hazard	No classification proposed	-

Aggravated Medical Condition : None known.

12. ECOLOGICAL INFORMATION

Product : The product itself has not been tested.

Toxicity

The ingredients in this formula have been reviewed and no adverse impact to the environment is

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expected when used according to label directions.

Toxicity to fish

Components	End point	Species	Value	Exposure time
Deltamethrin	LC50	Oncorhynchus mykiss (rainbow trout)	0.00026 mg/l	96 h
	NOEC		0.000017 mg/l	260 d
Methylchloroisothiazolinone & Methylisothiazolinone (3:1)	flow-through test LC50 Measured	Oncorhynchus mykiss (rainbow trout)	0.19 mg/l	96 h

Toxicity to aquatic invertebrates

Components	End point	Species	Value	Exposure time
Deltamethrin	LC50	Gammarus fasciatus (freshwater shrimp)	> 0.00001 mg/l	96 h
Methylchloroisothiazolinone & Methylisothiazolinone (3:1)	Flow through EC50 Measured OECD Test Guideline 202	Daphnia magna (Water flea)	0.16 mg/l	48 h

Toxicity to aquatic plants

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Components	End point	Species	Value	Exposure time
Deltamethrin	ErC50	Chlorella vulgaris (Fresh water algae)	> 0.47 mg/l	96 h
Methylchloroisothiazolinone & Methylisothiazolinone (3:1)	ErC50 Measured	Scenedesmus capricornutum (fresh water algae)	0.027 mg/l	72 h

Persistence and degradability

Component	Biodegradation	Exposure time	Summary
Deltamethrin	No data available		Not readily biodegradable.
Methylchloroisothiazolinone & Methylisothiazolinone (3:1)	> 60 %	28 d	Not readily biodegradable.

Bioaccumulative potential

Component	Bioconcentration factor (BCF)	Partition Coefficient n-Octanol/water (log)
Deltamethrin	No data available	4.6
Methylchloroisothiazolinone & Methylisothiazolinone (3:1)	0.90	-0.83

Mobility

Component	End point	Value
Deltamethrin	No data available	
Methylchloroisothiazolinone & Methylisothiazolinone (3:1)	No data available	

PBT and vPvB assessment

Component	Results
Deltamethrin	Not fulfilling PBT and vPvB criteria
Methylchloroisothiazolinone &	Not fulfilling PBT and vPvB criteria

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Methylisothiazolinone (3:1)

Other adverse effects : None known.**13. DISPOSAL CONSIDERATIONS****PESTICIDAL WASTE:**

For disposal information, please read and follow Disposal instructions on the pesticide label.

Consumer may discard empty container in trash, or recycle where facilities exist.

14. TRANSPORT INFORMATION

Please refer to the Bill of Lading/receiving documents for up-to-date shipping information.

	Land transport	Sea transport	Air transport
UN number	3082	3082	3082
UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S (Deltamethrin)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S (Deltamethrin)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S (Deltamethrin)
Transport hazard class(es)	9	9	9
Packing group	III	III	III
Environmental hazards	-	-	-
Special precautions for user	Limited quantities derogation may be applicable to this product, please check transport documents.	Limited quantities derogation may be applicable to this product, please check transport documents.	Limited quantities derogation may be applicable to this product, please check transport documents.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Product not transported as bulk.	Product not transported as bulk.	Product not transported as bulk.

15. REGULATORY INFORMATION

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- 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 is not subject to the reporting requirements under California's Proposition 65.

16. OTHER INFORMATION

HMIS Ratings

Health	1
Flammability	0
Reactivity	0

NFPA Ratings

Health	1
Fire	0
Reactivity	0
Special	-

This information is being provided in accordance with the Occupational Safety and Health Administration (OSHA) regulation (29 CFR 1910.1200). 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.

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