

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



RAID MAX® BUG BARRIER

Version 1.1

Print Date 03/04/2015

Revision Date 02/24/2015

SDS Number 350000013074

1. PRODUCT AND COMPANY IDENTIFICATION

Product information

Product name : RAID MAX® BUG BARRIER

Recommended use : Insecticide

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

Telephone : +18005585252

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

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 |
|---------------|------------|----------------|
| Deltamethrin | 52918-63-5 | 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

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- | | | |
|---------------------|---|--------------------------|
| Eye contact | : | No special requirements |
| Skin contact | : | No special requirements |
| Inhalation | : | No special requirements. |
| Ingestion | : | No special requirements |

5. FIREFIGHTING MEASURES

- | | | |
|---|---|--|
| Suitable extinguishing media | : | Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. |
| Specific hazards during firefighting | : | Container may melt and leak 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. 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 |

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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.

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** : viscous liquid
- Color** : translucent
- Odor** : pleasant

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Odour Threshold : No data available

pH : 5.4
at (23.2 °C)

Melting point/freezing point : 32 °F

Initial boiling point and boiling range : No data available

Flash point : Not applicable

Evaporation rate :

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

Upper/lower flammability or explosive limits : No data available

Vapour pressure :

Vapour density : No data available

Relative density : 8.3 lb/gal at 21 °C

Solubility(ies) : completely soluble

Partition coefficient: n-octanol/water : No data available

Auto-ignition temperature : No data available

Decomposition temperature :

Viscosity, dynamic : 750 cps
at 25 °C

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| | | | |
|--|---|---|---|
| Viscosity, kinematic | : | No data available | |
| Oxidizing properties | : | No data available | |
| Volatile Organic Compounds Total VOC (wt. %)* | : | 0 % - additional exemptions may apply *as defined by US Federal and State Consumer Product Regulations | |
| Other information | : | None identified | : |

10. STABILITY AND REACTIVITY

| | | |
|---|---|--|
| 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

| | | |
|----------------------------------|---|---|
| Emergency Overview | : | This product does not meet the criteria for classification in any hazard class according to regulation OSHA 29 CFR 1910.1200. |
| Acute oral toxicity | : | NA GHS LD50 > 5,050 mg/kg |
| Acute inhalation toxicity | : | NA GHS LC50 (dust and mist) > 3.10 mg/l |

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Acute dermal toxicity : NA GHS LD50 > 5,050 mg/kg

| GHS Properties | Classification | Routes of entry |
|--|----------------------------|-----------------|
| Acute toxicity | No classification proposed | - |
| 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 expected when used according to label directions.

Toxicity to fish

| Components | End point | Species | Value | Exposure time |
|------------|-----------|---------|-------|---------------|
|------------|-----------|---------|-------|---------------|

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| | | | | |
|--------------|------|--|------------------|-------|
| Deltamethrin | LC50 | Oncorhynchus mykiss (rainbow trout) | 0.00026 mg/l | 96 h |
| | NOEC | | 0.000017 mg/l | 260 d |

Toxicity to aquatic invertebrates

| Components | End point | Species | Value | Exposure time |
|--------------|-----------|---|-------------------|---------------|
| Deltamethrin | LC50 | Gammarus fasciatus (freshwater shrimp) | > 0.00001 mg/l | 96 h |
| | NOEC | Daphnia magna (Water flea) | 0.000004 mg/l | 21 d |

Toxicity to aquatic plants

| Components | End point | Species | Value | Exposure time |
|--------------|-----------|--|----------------|---------------|
| Deltamethrin | ErC50 | Chlorella vulgaris (Fresh water algae) | > 0.47 mg/l | 96 h |

Persistence and degradability

| Component | Biodegradation | Exposure time | Summary |
|--------------|-------------------|---------------|----------------------------|
| Deltamethrin | No data available | | Not readily biodegradable. |

Bioaccumulative potential

| Component | Bioconcentration factor (BCF) | Partition Coefficient n-Octanol/water (log) |
|--------------|-------------------------------|---|
| Deltamethrin | 1,400 Measured | 4.6 |

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Mobility

| Component | End point | Value |
|--------------|-----------|-----------------|
| Deltamethrin | Koc | 204000 - 577000 |

PBT and vPvB assessment

| Component | Results |
|--------------|--------------------------------------|
| Deltamethrin | Not fulfilling PBT and vPvB criteria |

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.

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| | Land transport | Sea transport | Air transport |
|-------------------------------------|--|--|--|
| UN number | 3082 | 3082 | 3082 |
| UN proper shipping name | UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S (Deltamethrin), 9, III , LTD QTY | UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S (Deltamethrin), 9, III , LTD QTY | UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S (Deltamethrin), 9, III , LTD QTY |
| 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. |

15. REGULATORY INFORMATION

FIFRA Labeling

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals.

Following is the hazard information as required on the pesticide label:

CAUTION:

Contact with product may result in transient tingling and reddening of the skin.

This product is extremely toxic to fish and aquatic invertebrates.

This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds.

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.

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California Prop. 65 : This product is not subject to the reporting requirements under California's Proposition 65.

Registration # / Agency
4822-561/US/EPA

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.

| | |
|-------------|---------------------------------------|
| Prepared by | SC Johnson Global Safety Assessment & |
|-------------|---------------------------------------|

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| | |
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| | Regulatory Affairs (GSARA) |
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