

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



Raid Max Bed Bug Extended Protection (EPA Reg. No. 1021-2597-4822)

Version 1.1

Print Date 02/05/2019

Revision Date 05/24/2018

SDS Number 350000034115

1. PRODUCT AND COMPANY IDENTIFICATION

Product information

- Product name** : Raid Max Bed Bug Extended Protection (EPA Reg. No. 1021-2597-4822)
- 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 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

Hazard classification	Hazard category	Hazards identification
Acute toxicity	Category 4	Harmful if inhaled.
Skin sensitisation	Category 1	May cause an allergic skin reaction.

Labelling

Hazard symbols
Exclamation mark

Signal word
Warning

Hazard statements

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Harmful if inhaled.
May cause an allergic skin reaction.

Precautionary statements

If medical advice is needed, have product container or label at hand.
Keep out of reach of children.
Read label before use.
Call a POISON CENTER/doctor if you feel unwell.
Specific treatment (see supplemental first aid instructions on this label).
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
IF ON SKIN: Wash with plenty of soap and water.
If skin irritation or rash occurs: Get medical advice/ attention.
Wash contaminated clothing before reuse.
Dispose of contents/ container to an approved incineration plant.
Wear protective gloves.
Avoid breathing spray.
Use only outdoors or in a well-ventilated area.
Contaminated work clothing should not be allowed out of the workplace.

Other hazards : None identified

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS-No.	Weight percent
n-Octyl bicycloheptene dicarboximide	113-48-4	1.00 - 5.00
Distillates (petroleum), hydrotreated light	64742-47-8	1.00 - 5.00
D-Phenothrin	26002-80-2	0.10 - 1.00

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

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- Skin contact** : Wash off with plenty of water. If skin irritation or rash occurs: Get medical advice/ attention.
- Inhalation** : IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
- Ingestion** : No special requirements

Most important symptoms and effects, both acute and delayed

- Eyes** : No adverse effects expected when used as directed.
- Skin effect** : May cause allergic skin reaction.
No adverse effects expected when used as directed.
- Inhalation** : May cause allergic respiratory reaction.
- Ingestion** : May cause irritation to mouth, throat and stomach.
May cause abdominal discomfort.
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 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.

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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.
Avoid breathing vapours, mist or gas.
Use only outdoors or in a well-ventilated area.
Contaminated work clothing should not be allowed out of the workplace.

- 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.

- Other data** : Stable under normal conditions.

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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

Personal protective equipment

- Respiratory protection** : Use only with adequate ventilation. Do not spray in enclosed areas.
- Hand protection** : Wear suitable gloves.
- 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** : white
- Odour** : solvent-like
- Odour Threshold** : No data available
- pH** : 5.06
- Melting point/freezing point** : 0 C

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Initial boiling point and boiling range	: No data available
Flash point	: > 93.3 °C > 199.94 °F Method: Tag Closed Cup (TCC)
Evaporation rate	: No data available
Flammability (solid, gas)	: The product is not flammable.
Upper/lower flammability or explosive limits	: Not applicable
Vapour pressure	: Test not applicable for this product type
Vapour density	: Test not applicable for this product type
Relative density	: 0.999 g/cm ³ at 20 °C
Solubility(ies)	: partly miscible
Partition coefficient: n-octanol/water	: Test not applicable for this product type
Auto-ignition temperature	: does not ignite
Decomposition temperature	: No data available
Viscosity, dynamic	: 6.0 mPa.s
Viscosity, kinematic	: No data available

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Oxidizing properties	: Test not applicable for this product type	:
Volatile Organic Compounds Total VOC (wt. %)*	: 2.6 % - additional exemptions may apply *as defined by US Federal and State Consumer Product Regulations	:
Other information	: None identified	:

10. STABILITY AND REACTIVITY

Reactivity	: Stable at normal ambient temperature and pressure.	:
Reactivity	: No dangerous reaction known under conditions of normal use.	:
Chemical stability	: Stable under normal conditions.	:
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.	:

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11. TOXICOLOGICAL INFORMATION

Acute oral toxicity : LD50 3,129 mg/kg
Acute inhalation toxicity : LC50 > 2.09 mg/l

Acute dermal toxicity : LD50 > 5,000 mg/kg

GHS Properties	Classification	Routes of entry
Acute toxicity	No classification proposed	Oral
Acute toxicity	No classification proposed	Dermal
Acute toxicity	Category 4	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	Category 1	-
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	-

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Aspiration hazard	No classification proposed	-
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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
n-Octyl bicycloheptene dicarboximide	LC50		1.4 - 2.4 mg/l	
Distillates (petroleum), hydrotreated light	static test LC50 OECD Test Guideline 203	Oncorhynchus mykiss (rainbow trout)	> 1,000 mg/l	96 h
D-Phenothrin	No data available			

Toxicity to aquatic invertebrates

Components	End point	Species	Value	Exposure time
n-Octyl bicycloheptene dicarboximide	No data available		2.3 mg/l	

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Distillates (petroleum), hydrotreated light	EC50 OECD Test Guideline 202	Daphnia (water flea)	> 1,000 mg/l	48 h
D-Phenothrin	No data available			

Toxicity to aquatic plants

Components	End point	Species	Value	Exposure time
n-Octyl bicycloheptene dicarboximide	No data available			
Distillates (petroleum), hydrotreated light	ErC50 OECD Test Guideline 201	Pseudokirchneriella subcapitata (green algae)	> 1,000 mg/l	72 h
D-Phenothrin	No data available			

Persistence and degradability

Component	Biodegradation	Exposure time	Summary
n-Octyl bicycloheptene dicarboximide	No data available		
Distillates (petroleum), hydrotreated light	69 %	28 d	Readily biodegradable.
D-Phenothrin	No data available		

Bioaccumulative potential

Component	Bioconcentration factor (BCF)	Partition Coefficient n-Octanol/water (log)
n-Octyl bicycloheptene dicarboximide	No data available	3.7 Measured
Distillates (petroleum),	61 - 159	No data available

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hydrotreated light		
D-Phenothrin	No data available	No data available

Mobility

Component	End point	Value
n-Octyl bicycloheptene dicarboximide	No data available	
Distillates (petroleum), hydrotreated light	No data available	
D-Phenothrin	No data available	

PBT and vPvB assessment

Component	Results
n-Octyl bicycloheptene dicarboximide	Not fulfilling PBT and vPvB criteria
Distillates (petroleum), hydrotreated light	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	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S (D-phenothrin)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S (D-phenothrin)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S (D-phenothrin)
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**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:

Harmful if swallowed.

Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

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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 does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm., This product is not subject to the reporting requirements under California's Proposition 65.

16. OTHER INFORMATION

HMIS Ratings

Health	1
Flammability	1
Reactivity	0

NFPA Ratings

Health	1
Fire	1
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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Prepared by	SC Johnson Global Safety Assessment & Regulatory Affairs (GSARA)
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