

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



OFF! Backyard Bug Control (EPA Reg. No. 4822-599)

Version 1.6

Print Date 06/03/2025

Revision Date 11/06/2023

SDS Number 350000017168

1. PRODUCT AND COMPANY IDENTIFICATION

Product information

Product name : OFF! Backyard Bug Control (EPA Reg. No. 4822-599)

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

Hazard classification	Hazard category	Hazards identification
Acute toxicity	Category 4	Harmful if inhaled.

Labelling

Hazard symbols
Exclamation mark

Signal word
Warning

Hazard statements
Harmful if inhaled.

Precautionary statements
If medical advice is needed, have product container or label at hand.
Keep out of reach of children.
Read label before use.

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Call a POISON CENTER/doctor if you feel unwell.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
Dispose of contents/ container to an approved incineration plant.
Avoid breathing spray.
Use only outdoors or in a well-ventilated area.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS-No.	Weight percent
.lambda.-cyhalothrin	91465-08-6	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

Skin contact : No special requirements

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 : 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.

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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. |

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. |

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KEEP OUT OF REACH OF CHILDREN AND PETS.
Avoid breathing vapours, mist or gas.
Use only outdoors or in a well-ventilated area.

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 : Use only with adequate ventilation.
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 : light yellow

Odour : strong
unpleasant

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Odour Threshold	: No data available
pH	: 6.5 at (25 °C)
Melting point/freezing point	: No data available
Initial boiling point and boiling range	: No data available
Flash point	: Not applicable
Evaporation rate	: No data available
Flammability (solid, gas)	:
Upper/lower flammability or explosive limits	: No data available
Vapour pressure	: No data available
Vapour density	: No data available
Relative density	: 1.00 g/cm ³ at 20 °C
Solubility(ies)	: soluble
Partition coefficient: n-octanol/water	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: Test not applicable for this product type

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Viscosity, dynamic	: not determined	
Viscosity, kinematic	: < 100 mm ² /s at 25 °C	
Oxidizing properties	: No data available	
Volatile Organic Compounds Total VOC (wt. %)*	: 0.8 % - 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.

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11. TOXICOLOGICAL INFORMATION**Acute oral toxicity** : LD50 > 5000 mg/kg**Acute inhalation toxicity** : LC50 > 2.05 mg/l**Acute dermal toxicity** : LD50 > 5000 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	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	-

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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
.lambda.-cyhalothrin	LC50	Leuciscus idus	0.000078 mg/l	96 h
	NOEC	Pimephales promelas (fathead minnow)	0.000031 mg/l	300 d

Toxicity to aquatic invertebrates

Components	End point	Species	Value	Exposure time
.lambda.-cyhalothrin	EC50	Gammarus pulex	0.000007 mg/l	96 h
	NOEC	Daphnia (water flea)	0.000002 mg/l	

Toxicity to aquatic plants

Components	End point	Species	Value	Exposure time
.lambda.-cyhalothrin	EC50	Pseudokirchneriella	> 0.13	72 h

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		subcapitata (green algae)	mg/l	
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Persistence and degradability

Component	Biodegradation	Exposure time	Summary
.lambda.-cyhalothrin	No data available		

Bioaccumulative potential

Component	Bioconcentration factor (BCF)	Partition Coefficient n-Octanol/water (log)
.lambda.-cyhalothrin	No data available	No data available

Mobility

Component	End point	Value
.lambda.-cyhalothrin	No data available	-

Other adverse effects : Very toxic to aquatic organisms.
Very toxic to bees.

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 or identification number	3082	3082	3082
UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S (Naphtha (petroleum) hydrodesulfurized heavy, mineral spirits)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S (Naphtha (petroleum) hydrodesulfurized heavy, mineral spirits)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S (Naphtha (petroleum) hydrodesulfurized heavy, mineral spirits)
Transport hazard class(es)	9	9	9
Packing group	III	III	III
Environmental hazards	-	Marine pollutant	-
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:

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CAUTION:
Harmful if swallowed.
Causes moderate eye irritation.

This product is extremely toxic to fish.
Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas.
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.

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.

16. OTHER INFORMATION

HMIS Ratings

Health	2
Flammability	0
Reactivity	0

NFPA Ratings

Health	2
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

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