



Bonide Eight Insect Control Yard & Garden Ready to Spray

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name : Bonide Eight Insect Control Yard & Garden Ready to Spray
Product code : 4407

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Insecticide

1.3. Details of the supplier of the safety data sheet

Bonide Products, LLC
6301 Sutliff Road
Oriskany, NY 13424

Telephone Number: (315) 736-8231

Comment: Bonide hours of operation are 8:00 a.m. to 4:30 p.m EST.

Website: www.bonide.com

Email address: sales@bonide.com

1.4. Emergency telephone numbers (24 hour)

Medical : SafetyCall - (833) 972-1101
Spills : CHEMTREC - 1 (800) 424-9300 and/or 1 (703) 527-3887

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (GHS-US)

Flammable Liquid 4 H227
Skin Irritation 2 H315

2.2. Label elements

GHS-US labeling

Hazard pictograms (GHS-US)



Signal word (GHS-US) : Warning
Hazard statements (GHS-US) : H227 - Combustible liquid
H315 - Causes skin irritation
Precautionary statements (GHS-US) : P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280 - Use personal protective equipment as required.
P303+P361+P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
P370+P378 - In case of fire: Use foam/water for extinction
P403 - Store in a well-ventilated place.
P501 - Dispose of contents/container to in accordance with local/regional/national regulations.

SECTION 3: Composition/information on ingredients

Mixture

Name	Product identifier	%
Permethrin	(CAS No) 52645-53-1	2.5
Solvent naphtha (petroleum), light aromatic	(CAS No) 64742-95-6	< 3*

*The exact percentage (concentration) of composition has been withheld as a trade secret.

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

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First-aid measures after inhalation	: Assure fresh air breathing. Allow the person to rest.
First-aid measures after skin contact	: Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing.
First-aid measures after eye contact	: Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries : Not expected to present a significant hazard under anticipated conditions of normal use.

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

Firefighting instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Remove ignition sources.

6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work. Provide good ventilation in process area to prevent formation of vapor.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Use personal protective equipment as required. Ensure adequate ventilation, especially in confined areas.
Storage conditions : Keep only in the original container in a cool, well ventilated place away from children. Keep in fireproof place. Keep container tightly closed.
Incompatible products : Strong bases. Strong acids.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

Personal protective equipment : Avoid all unnecessary exposure.
Hand protection : Wear protective gloves.
Eye protection : Chemical goggles or safety glasses.
Respiratory protection : Wear approved mask.
Other information : When using, do not eat, drink or smoke.

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Color	: Colorless to white
Odor	: Aromatic
Odor threshold	: No data available
pH	: 6.5 - 7
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 145.4 °F (63 °C)
Self ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: 0.9975

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Not established.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Not established

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

solvent naphtha (petroleum), light aromatic (64742-95-6)

LD50 oral rat	8400 mg/kg
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Permethrin (52645-53-1)

LD50 oral rat	> 383 mg/kg (Rat)
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LD50 dermal rat	4000 mg/kg (Rat)
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LD50 dermal rabbit	> 2000 mg/kg (Rabbit)
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Skin corrosion/irritation : Not classified
pH: 6.5 - 7

Serious eye damage/irritation : Not classified
pH: 6.5 - 7

Respiratory or skin sensitization : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Permethrin (52645-53-1)

IARC group	3 - Not Classifiable
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Reproductive toxicity : Not classified

Specific target organ toxicity (single exposure) : Not classified

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Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified
Potential Adverse human health effects and symptoms	: Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1. Toxicity

Permethrin (52645-53-1)	
LC50 fish 1	0.0025 mg/l 96 h; Salmo gairdneri (Oncorhynchus mykiss)
EC50 Daphnia 1	0.00043 mg/l (48 h; Daphnia magna; Enzyme effect)
LC50 fish 2	0.016 mg/l (96 h; Pimephales promelas)
EC50 Daphnia 2	0.290 mg/l (24 h; Lymnaea sp.)

12.2. Persistence and degradability

Bonide Eight Insect Control Yard & Garden Ready to Spray	
Persistence and degradability	Not established.

12.3. Bioaccumulative potential

Bonide Eight Insect Control Yard & Garden Ready to Spray	
Bioaccumulative potential	Not established.

Permethrin (52645-53-1)	
BCF fish 1	560 Salmo gairdneri (Oncorhynchus mykiss)
BCF fish 2	480 (Cyprinodon variegatus)
BCF other aquatic organisms 1	0.1 mg/l (>24 h; Algae)
BCF other aquatic organisms 2	1900 (Ostreidae)
Log Pow	3.48 - 6.5
Bioaccumulative potential	High potential for bioaccumulation (Log Kow > 5).

12.4. Mobility in soil

Permethrin (52645-53-1)	
Ecology - soil	Toxic to bees.

12.5. Other adverse effects

Other information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to in accordance with local/regional regulations.
Additional information	: Handle empty containers with care.
Ecology - waste materials	: Avoid release to the environment.

SECTION 14: Transport information

Not regulated for transport by DOT

SECTION 15: Regulatory information

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: KEEP OUT OF REACH OF CHILDREN

May be harmful if swallowed or absorbed through skin. Avoid breathing spray mist.

SECTION 16: Other information

Other information	: None.
SDS US (GHS HazCom 2012) - Pesticides	

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.