



# Got pests...get Revenge Termite and Carpenter Ant Killer

## 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 : Got pests...get Revenge Termite and Carpenter Ant Killer  
Product code : 102117019086

#### 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](http://www.bonide.com)

Email address: [sales@bonide.com](mailto: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)

Acute toxicity - oral 4 H302  
Acute toxicity - inhalation 4 H332  
Flammable aerosol 2 H223  
Gases under pressure H280  
Acute hazard to aquatic environment H400  
Long term hazard to the aquatic environment H410

#### 2.2. Label elements

##### GHS-US labeling

Hazard pictograms (GHS-US) :



Signal word (GHS-US) : Warning

Hazard statements (GHS-US) : H280 - Contains gas under pressure; may explode if heated  
H223 - Flammable aerosol  
H302 - Harmful if swallowed  
H332 - Harmful if inhaled  
H400 - Very toxic to aquatic life  
H410 - Very toxic to aquatic life with long lasting effects

Precautionary statements (GHS-US) : P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P211 - Do not spray on an open flame or other ignition source.  
P251 - Do not pierce or burn, even after use.  
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.  
P264 - Wash hands thoroughly after handling.  
P270 - Do not eat, drink or smoke when using this product.  
P271 - Use only outdoors or in a well-ventilated area.  
P273 - Avoid release to the environment.  
P301+P317 - IF SWALLOWED: Get medical help.  
P330 - If swallowed, rinse mouth.  
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P317 - Get medical help.  
P391 - Collect spillage.  
P410+P403 - Protect from sunlight. Store in a well-ventilated place.

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P412 - Do not expose to temperatures exceeding 50°C/122°F.

P501 - Dispose of contents/container in accordance with regional/national regulations.

### 2.3. Other hazards

Do not use this product in or on electrical equipment due to the possibility of shock hazard.

## SECTION 3: Composition/information on ingredients

### Mixture

Name	Product identifier	%
Isobutane	(CAS No) 75-28-5	10 - 15*
Petroleum distillates, hydrotreated light	(CAS No) 64742-47-8	< 10*
Esfenvalerate	(CAS No) 66230-04-4	0.05

\*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).
First-aid measures after inhalation	: Remove affected person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.
First-aid measures after skin contact	: Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing.
First-aid measures after eye contact	: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
First-aid measures after ingestion	: If swallowed, IMMEDIATELY call a poison control center or doctor for treatment advice. DO NOT give any liquid to the person. Do not induce vomiting unless told to do so by a poison control center or a doctor. Never give anything by mouth to an unconscious person.
Self-protection of the First Responder	: Remove all sources of ignition. Use personal protective equipment as required.

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

None known

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

For skin effects, a highly efficient therapeutic agent for Pyrethrin/ Pyrethroid exposure is topical application of tocopherol acetate (Vitamin E).

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media	: Foam. Dry powder. Carbon dioxide.
Unsuitable extinguishing media	: Do not use a heavy water stream. Caution: Use of water spray when fighting fire may be inefficient.

### 5.2. Special hazards arising from the substance or mixture

Fire hazard	: Highly flammable liquid and vapor.
Explosion hazard	: Contents under pressure. Exposure to temperatures above 130 degrees F may cause bursting.
Hazardous combustion products	: Hydrogen cyanide, Carbon monoxide, Carbon dioxide (CO2)

### 5.3. Advice for firefighters

Firefighting instructions	: Use fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Do not breathe fumes. 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.
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#### 6.1.1. For non-emergency personnel

Emergency procedures	: Evacuate unnecessary personnel.
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#### 6.1.2. For emergency responders

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

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### 6.2. Environmental precautions

Prevent entry to sewers and 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

Additional hazards when processed : Handle empty containers with care because residual vapors are flammable.  
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. Do not handle until all safety precautions have been read and understood. Eliminate all ignition sources if safe to do so.

### 7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment.  
Storage conditions : Store in original container. Keep container tightly closed.  
Incompatible products : Strong bases. Strong acids.  
Incompatible materials : Sources of ignition.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Exposure Guidelines: This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH	Supplier OEL
Petroleum distillates, hydrotreated light 64742-47-8	-	-	-	TWA: 100 ppm TWA: 525 mg/m <sup>3</sup>
Isobutane 75-28-5	STEL: 1000 ppm	-	TWA: 800 ppm TWA: 1900 mg/m <sup>3</sup>	-

NIOSH IDLH Immediately Dangerous to Life or Health

Other Information: Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

#### Appropriate engineering controls

Engineering Controls: Safety showers, Eyewash stations, Ventilation systems

### 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. Regular cleaning of equipment, work area and clothing is recommended.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state : Aerosol - Compressed liquefied gas  
Color : Milky white - milky yellow  
Odor : Solvent odor.  
Odor threshold : No data available  
pH : 6.8  
Relative evaporation rate (butyl acetate=1) : No data available  
Melting point : No data available  
Freezing point : No data available  
Boiling point : No data available

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Flash point	: 44.4 °C / 112.0 °F - Tag Closed Cup; Test was performed on aerosol Non-Volatile's
Self ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapor pressure	: No data available
Density	: 0.996 g/cm3 @ 20.0 °C (Aerosol Non-volatiles)
VOC Content (%)	: 13.1
Solubility	: Partly miscible in water.
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: 8,510 cPs @ 20.8°C. Test was performed on aerosol Non-Volatile's
Explosive properties	: No data available
Oxidizing properties	: No data available
Explosive limits	: No data available

### 9.2. Other information

Miscibility/ Solubility:

Water	: Partially miscible
Alcohol	: Partially miscible
Aromatic solvents	: Partially miscible
Petroleum distillates	: Partially miscible

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No additional information available

### 10.2. Chemical stability

Highly flammable liquid and vapor. Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

Not established.

### 10.4. Conditions to avoid

Extremely high or low temperatures. Open flame.

### 10.5. Incompatible materials

Strong acids. Strong bases.

### 10.6. Hazardous decomposition products

Carbon monoxide. Carbon dioxide.

## SECTION 11: Toxicological information

### Numerical measures of toxicity - Product Information

Oral LD50	1,950 mg/kg (rat)
Dermal LD50	>2,000 mg/kg (rabbit)
Inhalation LC50	>4.59 mg/L (rat; 4 hours)
Eye contact:	Irritation clearing in 72 hours. (rabbit).
Skin Contact:	Moderate irritation at 72 hours. (rabbit).
Skin Irritation Index:	2.29
Sensitization:	Negative. (guinea pig).

**Comment:** Some of the above toxicity data was bridged from the insecticide concentrate, that is used in manufacturing this end-use product.

**Carcinogenicity** This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

**Reproductive toxicity:** No information available.

**Developmental Toxicity** No information available.

**Teratogenicity:** No information available.

**STOT - single exposure:** No information available.

**STOT - repeated exposure:** No information available.

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Chronic toxicity: Avoid repeated exposure.

Target Organ Effects: Central nervous system.

### SECTION 12: Ecological information

#### 12.1. Toxicity

##### Petroleum distillates, hydrotreated light (64742-47-8)

LC50 fish 1	> 100 mg/l (Pisces)
EC50 Daphnia 1	> 100 mg/l (Invertebrata)
Threshold limit algae 1	> 100 mg/l (Algae)

#### 12.2. Persistence and degradability

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Persistence and degradability Not established.

##### Petroleum distillates, hydrotreated light (64742-47-8)

Persistence and degradability Readily biodegradable in water. Adsorbs into the soil.

#### 12.3. Bioaccumulative potential

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Bioaccumulative potential Not established.

##### Petroleum distillates, hydrotreated light (64742-47-8)

Log Pow	6 - 8.2
Bioaccumulative potential	High potential for bioaccumulation (Log Kow > 5).

##### Isobutane (75-28-5)

Bioaccumulative potential Partition coefficient; n-Octanol/ Water: 2.88

#### 12.4. Mobility in soil

##### Petroleum distillates, hydrotreated light (64742-47-8)

Surface tension 0.026 N/m (20 °C)

#### 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.  
Additional information : Handle empty containers with care because residual vapors are flammable.  
Ecology - waste materials : Avoid release to the environment.

### SECTION 14: Transport information

DOT (Department of Transportation)

UN/ID Number: UN1950  
Proper Shipping Name: Aerosols, non-flammable  
Hazard Class: 2.2

Air (IATA/ ICAO)

UN/ID Number: UN1950  
Proper Shipping Name: Aerosols, non-flammable  
Hazard Class: 2.2

Vessel (IMO/ IMDG) Not available

### 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:** Harmful if swallowed or absorbed through skin. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco. Remove and wash contaminated clothing before reuse.

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### 15.1. US Federal regulations

#### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

#### SARA 311/312 Hazard

##### Categories

Acute health hazard	Yes
Chronic Health Hazard	Yes
Fire hazard	Yes
Sudden release of pressure hazard	Yes
Reactive Hazard	No

#### CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

#### CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

### 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.*