

Conforms to Hazard Communication Standard 29 CFR 1910.1200

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**Section 1 - IDENTIFICATION**

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**Product Identifier:** Hot Shot Pyrethroid-Resistant Bed Bug Killer

**Other Means of Identification:**

Product Code HG-66728; HG-96728; HG-97168  
Formula Number 21-1576  
EPA Reg. Number 1021-2570-8845

**Recommended Use:** Insecticide - Crawling Bug

**Recommended Restrictions:** Use in accordance with label directions

**Manufacturer/Importer/Supplier/Distributor Information:**

Company Name Spectrum Group, Division of United Industries Corporation  
Address PO Box 142642, St. Louis, MO 63114-0642  
Telephone Number 1-800-917-5431

**Emergency Telephone Number:**

CHEMTREC (800)424-9300  
Medical (800)633-2873

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**Section 2 - HAZARD(S) IDENTIFICATION**

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**Classification of Substance or Mixture:**

Physical Hazard(s) Flammable Aerosol - Category 2  
Gases Under Pressure - Low Pressure Liquefied Gas  
Health Hazard(s) Acute Inhalation Toxicant - Category 4  
Skin Sensitizer - Category 1  
Reproductive Toxicant - Category 1B

**Label Elements:**

Hazard Pictogram(s)



Signal Word

Danger

Hazard Statements:

Flammable aerosol  
Contains gas under pressure; may explode if heated  
Harmful if inhaled  
May cause an allergic skin reaction  
May damage fertility or the unborn child  
Precautionary Statements: Keep away from heat, sparks, open flames, or hot surfaces. - No smoking. Do not spray on an open flame or other ignition source.  
Pressurized container: Do not pierce or burn, even after use.  
Avoid breathing mist or spray. Use only outdoors or in a well-ventilated area. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves.  
If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell.  
If on skin: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice. Wash contaminated clothing before reuse.

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves, protective clothing, eye protection, and face protection.

If exposed or concerned: Get medical advice/attention.

Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Store in a well-ventilated place. Store locked up.

Dispose of contents in accordance with all local, state/provincial and federal regulations. For more information see product label.

**Hazard(s) not Otherwise Classified (HNOC):** No additional information available

**Supplemental Information:** None

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**Section 3 - COMPOSITION/INFORMATION ON INGREDIENTS**

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Chemical Name	Synonyms	CAS Number	%
Isobutane	n/a	75-28-5	10.00
Tetra-hydrofurfuryl Alcohol	n/a	97-99-4	2.50
Butane	n/a	106-97-8	1.00
N-Octyl bicycloheptene dicarboximide (MGK® 264, Insecticide Synergist MGK®)	n/a	113-48-4	1.00
3-phenoxybenzyl-(1RS, 3RS, 1RS, 3SR)-2, 2-dimethyl-3-(2-methylprop-1-enyl) cyclopropanecarboxylate	n/a	26002-80-2	0.40
Imidacloprid	n/a	138261-41-3	0.05

In accordance with paragraph (d) of 1910.1200, the exact percentage (concentration) has been withheld as a trade secret. Other components are below reportable levels.

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**Section 4 - FIRST-AID MEASURES**

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<b>Inhalation:</b>	If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.
<b>Skin Contact:</b>	In case of contact, wash skin with plenty of water for 15-20 minutes. If skin irritation or redness develops, seek medical attention. Wash contaminated clothing before reuse.
<b>Eye Contact:</b>	In case of contact, flush eyes with plenty of water. Remove contact lenses, if worn. If irritation persists, get medical attention.
<b>Ingestion:</b>	If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical advice/attention.
<b>Most Important Symptoms/Effects, Acute and Delayed:</b>	Symptoms of exposure may include, irritation of eyes and nose, cough and/or shortness of breath.
<b>Indication of Immediate Medical Attention &amp; Special Treatment Needed:</b>	If exposed or concerned: Get medical advice/attention.

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### Section 5 - FIRE-FIGHTING MEASURES

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<b>Suitable Extinguishing Media:</b>	Dry chemical or CO <sub>2</sub> .
<b>Unsuitable Extinguishing Media:</b>	None: Use extinguishing agent suitable for type of surrounding fire.
<b>Specific Hazards Arising from the Chemical:</b>	Products of combustion may include, and are not limited to: oxides of carbon.
<b>Special Protective Equipment and Precautions for Firefighters:</b>	Keep upwind of fire. Vapors may cause dizziness or asphyxiation without warning. Vapors from liquefied gas are initially heavier than air and spread along ground. Contact with gas or liquefied gas may cause burns, severe injury and/or frostbite. Fire may produce irritating, corrosive and/or toxic gases. Wear positive pressure self-contained breathing apparatus (SCBA). Wear chemical protective clothing that is specifically recommended by the manufacturer. It may provide little or no thermal protection. Structural firefighters' protective clothing will only provide limited protection.
<b>In Case of Large Fire:</b>	Water spray, fog or regular foam. Move containers from fire area if you can do it without risk. Damaged cylinders should be handled only by specialists.
<b>Potential Hazards:</b>	Some may burn but none ignite readily. Containers may explode when heated. Ruptured cylinders may rocket.

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### Section 6 - ACCIDENTAL RELEASE MEASURES

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<b>Personal Precautions, Protective Equipment and Emergency Procedures:</b>	Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.
<b>Methods and Materials for Containment and Cleaning Up:</b>	Do not touch or walk through spilled material. Stop leak if you can do it without risk. Do not direct water at spill or source of leak. Use water spray to reduce vapors or divert vapor cloud drift. Avoid allowing water runoff to contact spilled material. If possible, turn leaking containers so that gas escapes rather than liquid. Prevent entry into waterways, sewers, basements or confined areas. Allow substance to evaporate. Ventilate the area.
<b>Environmental Precautions:</b>	Report spills as required by local and national regulations. Prevent entry into storm sewers and waterways.

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### Section 7 - HANDLING AND STORAGE

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<b>Precautions for Safe Handling:</b>	Avoid breathing mist. Avoid contact with skin and eyes. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke. Do not spray on an open flame or other ignition source.
<b>Conditions for Safe Storage, Including any Incompatibilities:</b>	Keep out of reach of children. Keep container tightly closed. Keep away from heat, sparks, open flames, and hot surfaces. Pressurized container: Do not pierce or burn, even after use. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Store in a well-ventilated place. (See section 10).
<b>NFPA 30B Classification:</b>	Level 1 Aerosol

**Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Control Parameters:**

Chemical Name	Exposure Limits					
	OSHA PEL		ACGIH TLV		Supplier OEL	
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Isobutane	-	-	STEL 1000	-	NIOSH IDLH TWA 800	NIOSH IDLH TWA 1900
Butane	-	-	STEL 1000	-		
Tetrahydrofurfuryl alcohol	-	-	-	-	AIHA-WEELs (USA, 5/2010) TWA: 0.5 (8hr)	-

**Appropriate Engineering Controls:** Use in a well-ventilated area.

**Individual Protective Measures, Such as Personal Protective Equipment:**

- Eye/face protection: None required for normal use. Avoid eye contact.
- Skin and body protection: Wear protective gloves.
- Respiratory protection: Use in a well-ventilated area.
- General hygiene considerations: Do not eat, drink or smoke where material is handled, processed or stored. Wash hands and contaminated clothing after handling.

**Section 9 - PHYSICAL AND CHEMICAL PROPERTIES**

- Appearance (physical state, color, etc.):** Clear, light yellow liquid
- Odor:** Sweet, solvent
- Odor Threshold:** No data available
- pH:** 5.3
- Melting / Freezing Point:** No data available
- Initial boiling point and range:** No data available
- Flashpoint:** No data available
- Evaporation Rate:** No data available
- Flammability (solid, gas):** No data available
- Upper/lower flammability or explosive limits:** No data available
- Vapor pressure:** No data available
- Vapor density:** No data available
- Relative density:** 0.99-1.01
- Solubility(ies):** Soluble in water
- Partition coefficient (n-octanol/water):** No data available
- Auto-ignition temperature:** No data available
- Decomposition temperature:** No data available

**Viscosity:** No data available  
**Heat of Combustion:** 6.5 kJ/g

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**Section 10 - STABILITY AND REACTIVITY**

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**Reactivity:** No dangerous reaction known under conditions of normal use.  
**Chemical stability:** Stable under normal storage conditions.  
**Possibility of hazardous reactions:** No dangerous reaction known under conditions of normal use.  
**Conditions to avoid:** Heat. Incompatible materials.  
**Incompatible materials:** None known.  
**Hazardous decomposition products:** May include, and are not limited to oxides of carbon.

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**Section 11 - TOXICOLOGICAL INFORMATION**

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**Information on the likely routes of exposure:** Inhalation, Ingestion and/or skin or eye contact

**Symptoms related to the physical, chemical and toxicological characteristics:**

Inhalation: Harmful if inhaled.  
Ingestion: May be harmful if swallowed. May cause stomach distress, nausea or vomiting.  
Skin contact: May cause skin irritation and allergic reaction. Symptoms may include redness, drying, defatting and cracking of the skin.  
Eye contact: May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.

**Acute Toxicity Values:**

<b>Calculated overall Chemical Acute Toxicity Values (ATE)</b>		
LD50 (Oral)	LD50 (Dermal)	LC50 (inhalation)
>5000 mg/kg	>5000 mg/kg	>2.09 mg/l

**Eye Contact:** Based on available data, the classification criteria are not met.

**Skin Contact:** Based on available data, the classification criteria are not met.

**Sensitization:** This product is a skin sensitizer.

**Chronic Effects-Carcinogenicity:**

<b>Ingredient</b>	<b>Chemical Listed as a Carcinogen or Potential Carcinogen (NTP, IARC, OSHA)</b>
None of the ingredients present in this product at or above 0.1% are listed as potential carcinogens on the NTP, IARC or OSHA lists.	

**Reproductive Toxicity:** This product is a reproductive toxicant.

**Germ Cell Mutagenicity:** Based on available data, the classification criteria are not met.

**STOT-single exposure:** Based on available data, the classification criteria are not met.

**STOT-repeated exposure:** Based on available data, the classification criteria are not met.

**Aspiration hazard:** Based on available data, the classification criteria are not met.

**Comment:** All information was generated using the GHS classification criteria for mixtures and test data where available.

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**Section 12 - ECOLOGICAL INFORMATION**

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**Ecotoxicity:** Per GHS classifications, this product is classified as an acute and chronic aquatic toxicant, category 3.

**Persistence and degradability:** No data available

**Bioaccumulative potential:** No data available

**Mobility in soil:** No data available

**Other adverse effects:** No data available

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**Section 13 - DISPOSAL CONSIDERATIONS**

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Dispose of in accordance with all local, state/provincial and federal regulations. For more information see product label.

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**Section 14 - TRANSPORTATION INFORMATION**

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<b>DOT:</b>	UN Number:	UN1950
	Proper Shipping Name:	Aerosols
	Hazard Class:	2.1
	Packing Group:	None
	Limited Quantity:	≤1L
<b>IATA:</b>	UN Number:	UN1950
	Proper Shipping Name:	Aerosols
	Hazard Class:	2.1
	Packing Group:	None
<b>IMDG:</b>	UN Number:	UN1950
	Proper Shipping Name:	Aerosols
	Hazard Class:	2.1
	Packing Group:	None
	Limited Quantity:	≤1L
	Marine Pollutant:	No

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**Section 15 - REGULATORY INFORMATION**

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**US EPA Label Information:**

**EPA Pesticide Registration Number** 1021-2570-8845

**Federal Insecticide, Fungicide, Rodenticide Act Regulations**

This chemical is a pesticide product registered by the Environmental Protection Agency and is subjected to certain labeling requirements under the 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:

**EPA Pesticide Label**

CAUTION: KEEP OUT OF REACH OF CHILDREN.

Hazards to Humans and Domestic Animals

**CAUTION:** Harmful if swallowed. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

**FIRST AID: If swallowed:** Immediately call a poison control center or doctor. Do not induce vomiting unless told to do so by a poison control center or a doctor. Do not give any liquid to the person. Do not give anything by mouth to an unconscious person. Have the product and container or label with you when calling a Poison Control Center or doctor, or going for treatment. You may also contact 1-800-917-5431 for emergency medical treatment advice.

**PHYSICAL OR CHEMICAL HAZARDS:** Contents under pressure. Do not use or store near heat or open flame. Do not puncture or incinerate container. Exposure to temperatures above 130°F may cause bursting. Do not apply this product around electrical equipment due to the possibility of shock hazard.

**STORAGE AND DISPOSAL:** Do not contaminate water, food, or feed by storage and disposal. **PESTICIDE STORAGE:** Store in a cool, dry area. Always store pesticides in the original container. Store away from food and pet food. **PESTICIDE DISPOSAL AND CONTAINER HANDLING:** Do not puncture or incinerate! Non-refillable container. Do not reuse or refill this container. **If empty:** Place in trash or offer for recycling if available. **If partly filled:** Call your local solid waste agency for disposal instructions.

**EPA TSCA Inventory:** All of the components of this product are either on the Toxic Substances Control Act (TSCA) Inventory List or exempt.

**SARA Hazard Category (311/312):** See OSHA hazards listed in section 2.

**SARA 313:** Section 313 of title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does contain chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

Chemical Name	CAS #	Threshold Value %
3-phenoxybenzyl-(1RS, 3RS, 1RS, 3SR)-2, 2-dimethyl-3-(2-methylprop-1-enyl) cyclopropane-carboxylate	26002-80-2	1.0

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**Disclaimer:** Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the

supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.

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**Section 16 - OTHER INFORMATION**

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