

Conforms to Hazard Communication Standard 29 CFR 1910.1200

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### Section 1 - IDENTIFICATION

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<b>Product Identifier:</b>	<b>Hot Shot® Bed Bug &amp; Flea Fogger</b>
<b>Other Means of Identification:</b>	
Product Code	HG-55911; HG-65911; HG-95911; HG-96547; HG-96871; HG-97086
Formula Number	HG-21-0921
EPA Reg. Number	1021-1674-8845
<b>Recommended Use:</b>	Insecticide - Fogger
<b>Recommended Restrictions:</b>	Use in accordance with label directions
<b>Manufacturer/Importer/Supplier/Distributor Information:</b>	
Company Name	Spectrum Group, Division of United Industries Corporation
Address	PO Box 142642, St. Louis, MO 63114-0642
Telephone Number	1-800-917-5431
<b>Emergency Telephone Number:</b>	
CHEMTREC	(800)424-9300
Medical	(866)823-2749

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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 Toxicity (Dusts/Mists) - Category 4 Skin Irritation - Category 2

#### Label Elements:

Hazard Pictogram(s)	
Signal Word	WARNING
Hazard Statements:	Flammable aerosol Contains gas under pressure; may explode if heated Harmful if inhaled Causes skin irritation
Precautionary Statements:	Keep away from heat, sparks, open flames, and hot surfaces. - No smoking. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Store in a well-ventilated place. Avoid breathing mist and spray. Use only outdoors or in a well-ventilated area. Wash hands thoroughly after handling. 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 occurs: Get medical advice. Take off contaminated clothing and wash it before reuse.
<b>Hazard(s) not Otherwise Classified (HNOC):</b>	No additional information available
<b>Supplemental Information:</b>	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	< 20.0
Propane	n/a	74-98-6	< 16.0
Petroleum distillates, hydrotreated light	n/a	64742-47-8	< 10.0
MGK®-264 Insecticide Synergist (n-Octyl bicycloheptenedicarboximide)	n/a	113-48-4	0.16
Piperonyl Butoxide	n/a	51-03-6	0.10
S)-cyano(3-phenoxyphenyl)methyl-(S)-4-chloro-alpha-(1-methylethyl)benzeneacetate	Esfenvalerate	66230-04-4	0.10
2-[1-Methyl-2-(4-phenoxyphenoxy) ethoxy] pyridine	Nylar® (Pyriproxyfen)	95737-68-1	0.10
Pyrethrins	n/a	8003-34-7	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 minutes. If skin irritation or redness develops, seek medical attention.
<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>	Immediate medical attention should not be required.

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**Section 5 - FIRE-FIGHTING MEASURES**

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<b>Suitable Extinguishing Media:</b>	Dry chemical or CO2.
<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.

**In Case of Large Fire:**

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.

**Potential Hazards:**

Some may burn but none ignite readily. Containers may explode when heated. Ruptured cylinders may rocket.

**Section 6 - ACCIDENTAL RELEASE MEASURES**

**Personal Precautions, Protective Equipment and Emergency Procedures:**

Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

**Methods and Materials for Containment and Cleaning Up:**

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.

**Environmental Precautions:**

Report spills as required by local and national regulations. Prevent entry into storm sewers and waterways.

**Section 7 - HANDLING AND STORAGE**

**Precautions for Safe Handling:**

Avoid breathing mist. Avoid contact with skin and eyes. Wear protective gloves. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke. Use in a well-ventilated area.

**Conditions for Safe Storage, Including any Incompatibilities:**

Keep out of reach of children. Keep container tightly closed. Keep away from heat, sparks, open flames, and hot surfaces. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Store in a well-ventilated place. (See section 10).

**NFPA 30B Classification:**

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	-	-	-
Propane	TWA 1000	TWA 1800	TWA 1000	-	-	-
Petroleum distillates, hydrotreated light	-	-	-	-	TWA 100	TWA 525
Pyrethrins	-	TWA 5 (vacated); TWA 5	-	TWA 5	-	-

**Appropriate Engineering Controls:** General ventilation should be adequate for all normal use.

**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. Avoid skin contact.  
Respiratory protection: If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.  
General hygiene considerations: When using do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing is recommended.

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**Section 9 - PHYSICAL AND CHEMICAL PROPERTIES**

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**Appearance (physical state, color, etc.):** Opaque, white, viscous liquid  
**Odor:** Solvent and pyrethroid  
**Odor Threshold:** No data available  
**pH:** 5.0-7.0  
**Melting / Freezing Point:** No data available  
**Initial boiling point and range:** No data available  
**Flashpoint:** 63°C (liquid portion only)  
**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:** 0.940-0.980  
**Solubility(ies):** Immiscible 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:** 19.8 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. May cause respiratory tract irritation.  
Ingestion: May be harmful if swallowed. May cause stomach distress, nausea or vomiting.  
Skin contact: Causes skin irritation. 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	>2000 mg/kg	>3.42 mg/l

**Eye Contact:** Based on available data, the classification criteria are not met.  
**Skin Contact:** This product is a skin irritant.  
**Sensitization:** Based on available data, the classification criteria are not met.

**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:** Based on available data, the classification criteria are not met.  
**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, this product is classified as a category 1 aquatic acute toxicant and a category 1 aquatic chronic toxicant.  
**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:	Yes (Esfenvalerate & Pyrethrins)

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**Section 15 - REGULATORY INFORMATION**

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**US EPA Label Information:**

**EPA Pesticide Registration Number** 1021-1674-8845

**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 absorbed through skin. Avoid contact with skin, eyes or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash hands 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.

**FIRST AID: If on skin or clothing:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a Poison Control Center or doctor for treatment advice. Have the product container or label with you when calling a Poison Control Center or doctor or going for treatment. For additional information on this pesticide product (including health concerns, medical emergencies, or pesticide concerns), you may call 1-800-917-5431.

**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. This product contains a highly flammable ingredient. It may cause a fire or explosion if not used properly. Follow the Directions for Use on this label very carefully.

**STORAGE AND DISPOSAL:** Do not contaminate water, food, or feed by storage and disposal. **Pesticide Storage:** Store this product in a cool, dry (preferably locked) place away from heat or open flame, and in an area that is inaccessible to children and animals.

**Container Disposal:** Do Not Puncture or Incinerate! **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.

**CERCLA Section 103:** Spills of this product over the RQ (reportable quantity) must be reported to the National Response Center.

Chemical Name & CAS Number	Chemical RQ (lbs)	Concentration in Product	Product RQ (lbs)
Pyrethrins 8003-34-7	1	0.05%	2,000

**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 %
Piperonyl Butoxide	51-03-6	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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