

# Material Safety Data Sheet

HMIS®

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

**HEALTH**

**1**

**REACTIVITY**

**0**

**FLAMMABILITY**

**0**

**PERSONAL PROTECTION**

**B**

**Identity** (As Used on Label and List) EPA Reg. No. 11694-107

**45116, 45120**

**BUGMAN INSECTICIDE FOGGER**

*Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.*

## SECTION I

**Distributor's Name**

Myers Supply, Inc.

**Emergency Telephone Number**

1-888-627-8740

**Address (Number, Street, City, State, and ZIP Code)**

831 Third St.

**Telephone Number for Information**

1-501-623-7742

Hot Springs, AR 71913

**Date Prepared**

1/25/2005

**Signature of Preparer (Optional)**

## SECTION II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity, Common Name(s))	CAS No.	OSHA PEL	ACGIH-TLV	Other Limits Recommended	%(Opt.)
Isobutane	75-28-5	800 ppm	800 ppm		
Propane	74-98-6	1000 ppm	Asphyxiant		
*Piperonyl butoxide	51-03-6	Not estab.	Not estab.		1.5
Pyrethrins	8003-34-7	Not estab.	Not estab.		0.3

\* This product contains Piperonyl butoxide which is listed and may require reporting under SARA Title III Sec. 313 if used over the threshold reporting quantity. This information must be included in all MSDSs that are copied and distributed for this material.

Any substance listed as hazardous by the States of California, Florida, Illinois, Michigan, New Jersey, Ohio, Pennsylvania or Texas is described above if known present in regulated concentrations.

## SECTION III Physical/Chemical Characteristics

<b>Boiling Point</b> Concentrate - Initial	212° F	<b>Specific Gravity (H<sub>2</sub>O = 1)</b> Concentrate @70° F	0.98
<b>Pressure (psig. @ 70° F)</b>	60 ± 5	<b>Melting Point</b>	No Data
<b>Vapor Density (AIR = 1)</b>	Greater than one (1)	<b>Evaporation Rate (Butyl Acetate = 1)</b>	No Data
<b>Solubility in Water</b>	Dispersible	<b>pH</b>	7.0 ± 0.5

### Appearance and Odor -

Opaque light yellow liquid with a cherry blossom fragrance in an aerosol can.

## SECTION IV - Fire and Explosion Hazard Data

<b>USA Flame Projection Test (ASTM D-3065)</b> 0", no flashback	<b>Flammable Limits</b> No Data	<b>LEL</b> No Data	<b>UEL</b> No Data
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**Extinguishing Media** - Not usually necessary as this product does not readily support combustion. Use extinguishing agent appropriate for fire's fuel source (i.e. carbon dioxide, dry chemical, foam, fog, etc.).

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**Special Fire Fighting Procedures** - Use water spray to keep containers cool and vapors down. Do not allow runoff to enter sewers or public watercourses. Wear self-contained breathing apparatus in chemical fires.

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**Unusual Fire and Explosion Hazards** - Aerosol container (pressurized) may burst if heated over 130° F

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1/25/2005 AB.

**SECTION V - Reactivity Data**

Stability	Unstable		Conditions to Avoid - Extreme heat, direct sunlight
	Stable	X	

**Incompatibility (Materials to Avoid)** - Strong oxidizing agents.

**Hazardous Decomposition or Byproducts** - Carbon dioxide, carbon monoxide, smoke, soot and various organic oxidation by-products.

Hazardous Polymerization	May Occur		Conditions to Avoid - None known
	Will Not Occur	X	

**SECTION VI - Health Hazard Data**

Route(s) of Entry	Eyes?	Inhalation?	Skin?	Ingestion?
	Yes	Yes	Yes	Yes

**Health Hazards (Acute and Chronic)** - Caution. Harmful if swallowed or absorbed through skin. Harmful if inhaled. May cause eye and skin irritation. Contents under pressure. Follow good chemical hygiene practices to avoid these hazards.

<b>Carcinogenicity:</b> None known	<b>NTP?</b> No	<b>IARC Monographs?</b> No	<b>OSHA Regulated?</b> No
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**Signs and Symptoms of Exposure** - Redness, drying or cracking skin. Redness and irritation of eyes. Irritation of nose and throat are possible.

**Medical Conditions Generally Aggravated by Exposure** - Pre-existing skin and lung disorders may be adversely affected from overexposures. Follow good chemical hygiene practices.

**Emergency and First Aid Procedures:**

**Eyes** - In case of contact, immediately flush eyes with plenty of water (at least 15 minutes). Obtain medical attention if irritation persists.

**Ingestion** - Contact a physician or poison control center immediately. **Inhalation** - Get to fresh air. If breathing has stopped, qualified personnel should administer artificial respiration. **Skin** - In case of contact, immediately flush skin with plenty of water (at least 15 minutes). Obtain medical attention if irritation persists.

**SECTION VII - Precautions for Safe Handling and Use**

**Steps to be Taken in Case Material is Released or Spilled** - Caution, slip hazard. Wipe up small spills promptly with a towel or other absorbant material. For large spills, isolate traffic and ventilate area. Eliminate all ignition sources. Wear protective gear as necessary. Dike to prevent spread. Pick up on an absorbant material and put in a suitable container for proper disposal.

**Waste Disposal Method** - Consult local, state and federal regulations. Do not incinerate (or puncture container). Wrap container and put in trash collection, then discard container if allowed by applicable statutes. Offer empty container for recycling if resources are available.

**Precautions to be Taken in Handling and Storing** - Do not swallow. Wash thoroughly after handling. Avoid contact with skin and eyes (and clothing). Avoid breathing vapors or spray mist. Vacate premises after treatment and ventilate before reoccupying. Do not apply directly to food. See special label instructions for use around food and food processing equipment. Remove pets and birds, and cover fish aquariums before spraying. To avoid staining fabrics or surfaces, do not spray at close range. Vacate premises after treatment and ventilate before reoccupying.

**Other Precautions** - Follow label directions carefully. Keep out of reach of children. Do not deliberately concentrate and inhale vapors. Direct spray away from face. Replace cap when not in use. Do not use around ignition sources such as heat, sparks, open flame, etc. Do not puncture or incinerate container. Do not smoke while using. Contents under pressure. Do not store near heat or open flame. Store in a cool (under 130° F) dry location away from heat, sparks, open flame and direct sunlight. Exposures to temperatures above 130° F may cause bursting.

**SECTION VIII - Control Measures**

**Respiratory Protection (Specify Type)** - Not usually necessary. Use with adequate ventilation. If PELs or TLVs are exceeded (see Section II), use an approved NIOSH/MSHA respirator. Follow label instructions carefully.

Ventilation	Local Exhaust	Not usually needed	Special	None
	Mechanical (General)	Yes	Other	None

**Protective Gloves** -

Yes, impervious if contact is possible

**Eye Protection** -

Yes, approved safety glasses (ANSI Z87) or goggles

**Other Protective Clothing or Equipment** -

Not usually necessary. If direct contact is possible, wear apron, boots, face shield, etc., as required.

**Work/Hygienic Practices** -

Normal. Wash thoroughly before eating, drinking, smoking, using restrooms, etc.

WARNING! The use of this product is beyond the control of the manufacturer; therefore, no guarantee, expressed or implied, is made as to the effects of such or the results to be obtained if not used in accordance with directions or established safe practice. The user must assume all responsibility, including injury or damage, resulting from its misuse as such, or in combination with other materials. The manufacturer warrants only that this product meets the manufacturer's specifications for such product. THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, AS TO DESCRIPTION, QUALITY, MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, PRODUCTIVENESS, OR ANY OTHER MATTER, OF THIS PRODUCT. THE MANUFACTURER SHALL BE IN NO WAY RESPONSIBLE FOR THE PROPER USE OF THIS PRODUCT. The sole and exclusive remedy against the manufacturer for breach of warranty shall be reimbursement of the purchase price of the product in the event that a defective condition of the product shall be found to exist. NO OTHER REMEDY (INCLUDING BUT NOT LIMITED TO INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR INJURY TO PERSON

OR PROPERTY OR ANY OTHER INCIDENTAL OR CONSEQUENTIAL LOSS) SHALL BE AVAILABLE.