

----- MATERIAL SAFETY DATA SHEETS -----

IDENTITY (As Used on Label and List):

VIPER INDUSTRIAL AEROSOL INSECTICIDE 47000-73-49045

DATE PREPARED: September 21, 2000

SECTION I

MANUFACTURER'S NAME:

**The Bug Stop Inc
2029 S Halsted St.
Chicago, IL 60608**

EMERGENCY TELEPHONE NUMBER: 1-800-424-9300 CHEMTREC
TELEPHONE NUMBER FOR INFORMATION: 515/287-6778

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Components (Specific Chemical Identity: Common Name(s))	OSHA PEL	ACGIH TLV	% (optional)
Pyrethrin CAS#: 8003-34-7	Unknown	5mg/m ³	0.5
	Other limits recommended: None		
Piperonyl Butoxide, Tech CAS#: 51-03-6	Unknown	50 mg/m ³	1.0
	Other limits recommended: None		
MGK 264 (N-Octyl bicycloheptene dicarboximide) CAS# 113-48-4	Unknown	5mg/m ³	1.0
	Other limits recommended: None		
Hydrocarbon Mixture CAS#: *	100 ppm	100 ppm	*
	Other limits recommended: None		
1,1 - Difluoro-Ethane(152A) CAS#: 75-37-6	N/E	N/E	*
	Other Limits Recommended: 1000 TWA (Dupont)		

*Trade Secret

This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-to Know Act of 1986 and of 40 CFR 372:

CAS #	CHEMICAL NAME	% BY WEIGHT
51-03-6	Piperonyl Butoxide Tech	1.0%

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: Aerosol under pressure 60 psi.
VAPOR PRESSURE (mm Hg.): 60 psi @ 70
VAPOR DENSITY (AIR = 1): >1
SPECIFIC GRAVITY (H₂O = 1): .86
MELTING POINT: N/A
EVAPORATION RATE (Butyl Acetate = 1): NA
SOLUBILITY IN WATER: Not Soluble.
APPEARANCE AND ODOR: Yellow to amber liquid under pressure.
Pyrethrin odor.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (152A): < -50 deg C
FLAMMABLE LIMITS: % by Volume in air (152A)
LEL: 3.9 UEL: 16.9
EXTINGUISHING MEDIA: CO₂, dry chemicals, foam, water fog.
SPECIAL FIRE FIGHTING PROCEDURES:
If material or containers are engulfed in flame they may burst or explode and become projectiles.
UNUSUAL FIRE AND EXPLOSION HAZARDS:
Cans may burst when engulfed in flame and become projectiles.

STABILITY: Stable

CONDITIONS TO AVOID: High heat over 130 deg F.

INCOMPATIBILITY (Materials to Avoid): Heat in excess of 130 deg F.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS:

Carbon Monoxide, carbon dioxide, Inorganic acids.

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: Heat over 130 deg F

SECTION VI - HEALTH HAZARD DATA

ROUTE(S) OF ENTRY:

INHALATION? Yes SKIN? Yes INGESTION? Yes

HEALTH HAZARDS (Acute and Chronic):

Vapors can replace oxygen and air needed for breathing.

Tearing, shortness of breathing, sneezing, headaches and dizziness.

Drying of skin may occur if frequent contact with liquid.

CARCINOGENICITY:

NTP?

IARC MONOGRAPHS?

OSHA REGULATED?

Not known to be carcinogenic.

SIGNS AND SYMPTOMS OF EXPOSURE:

See Health Hazards.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

Not known. Possible aggravation if person has pre-existing respiratory problems or pre-existing dermatitis.

EMERGENCY AND FIRST AID PROCEDURES:

EYES: Flush with water for 15 minutes.

SKIN: Wash with soap and water, if indicated.

INHALATION: Remove to fresh air and respire.

ORAL: Do not induce vomiting. Contact Physician Immediately.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR

SPILLED: Contain spill. Keep people away. Wear protective clothing. Soak up with absorbent material and put into containers.

WASTE DISPOSAL METHOD:

Read label and dispose of in accordance with local, state and federal regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

Store in original container in a cool, dry secure area.

READ LABEL. KEEP OUT OF REACH OF CHILDREN.

OTHER PRECAUTIONS: Always read label.

SECTION VIII - CONTROL MEASURES

RESPIRATORY PROTECTION (Specify Type):

Not required, avoid breathing vapors.

VENTILATION:

LOCAL EXHAUST: Yes

OTHER: None

MECHANICAL (General): Yes

SPECIAL: None

PROTECTIVE GLOVES: Rubber

EYE PROTECTION: Goggles or full face shield

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

Impervious to oil products, apron, coveralls, shoes, gloves, cap.

WORK/HYGIENIC PRACTICES:

Wash hands before eating or smoking.

HMIS Hazard Rating 1,4,0,B

NFPA Hazard Rating 1,4,0

SECTION V - REACTIVITY DATA