

MATERIAL SAFETY DATA SHEET

MSDS # 246001

ABSORBINE BUG BLOCK®

W. F. YOUNG, INC.
302 Benton Drive
East Longmeadow, MA 01028

Non-Emergency Telephone:
MA (413) 526-9999

SECTION 1: CHEMICAL PRODUCT IDENTIFICATION

PRODUCT NAME: Absorbine Bug Block
PRODUCT DESCRIPTION: Aqueous Insecticide
EPA REG. No. 1021-1790-1543

MEDICAL EMERGENCY TELEPHONE (Poison Center): (303) 623-5716
TRANSPORTATION EMERGENCY TELEPHONE (Chemtrec): 1-800-424-9300

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS (Typical Values)

HAZARDOUS INGREDIENTS CAS NO. WT.% ACGIH(TLV) OSHA(PEL)

Permethrin	52645-53-1	0.2	N/E	N/E
Pyrethrins	8003-34-7	0.1	5 mg/m ³	5 mg/m ³
MGK® 264 (N-Octyl Bicycloheptene Dicarboximide)	113-48-4	0.5	N/E	N/E
N-butanol	71-36-3	<0.1		

SECTION 3: HAZARDS IDENTIFICATION

WARNING: Causes substantial but temporary eye injury. Harmful if swallowed or absorbed through skin. Take prudent precautions to avoid contact with skin and clothing.

Routes of Entry: Inhalation? Skin? Ingestion?
Yes Yes Yes

Health Hazards (Acute and Chronic) The Health effects noted below are consistent with requirements under OSHA Hazard Communication Standard (29 CFR 1910.1200).

EYE CONTACT: Causes substantial but temporary eye injury

SKIN CONTACT: Can cause skin irritation.

INHALATION: No significant signs or symptoms indicative of any health hazard are expected to occur as a result of normal inhalation exposure.

INGESTION: Can cause stomach irritation, resulting in nausea, cramps, and vomiting.

SECTION 4: EMERGENCY AND FIRST AID PROCEDURES
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EYE CONTACT:

Immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids open. Get medical attention as soon as possible.

SKIN CONTACT:

Remove contaminated clothing and wash affected areas with soap and water. If irritation occurs, get medical attention.

INHALATION:

Remove victim to fresh air, treat symptomatically. Get medical attention if symptoms persist.

INGESTION:

Contact a physician or Poison Control Center immediately. Do not induce vomiting unless directed by a physician.

Notes to Physician: Contains Pyrethroids and some Petroleum Distillates – vomiting may cause aspiration pneumonia. For skin effects, a highly efficient therapeutic agent for pyrethroid exposure is topical application of tocopherol acetate (Vitamin E).

SECTION 5: FIRE FIGHTING MEASURES
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Flash Point (Method Used)	Flammable Limits	LEL	UEL
200 F (TCC)	N/E	N/E	

Extinguishing Media

Use Foam, CO₂ dry chemical, and Water Fog.

Special Fire Fighting Procedures

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Unusual Fire and Explosion Hazards

None.

SECTION 6: ACCIDENTAL RELEASE MEASURES & DISPOSAL
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Spill Control Methods

Contain spill to minimize contaminated area and facilitate salvage or disposal. To clean up spill, soak up with an absorbent material such as sand, sawdust, earth, fuller's earth, etc. Dispose of with chemical waste. Avoid runoff into storm sewers and ditches which lead to natural waterways. All clean up and disposal should be carried out in accordance with Federal, State, and Local Regulations. If required, state and local authorities should be notified.

Waste Disposal Methods

Do not contaminate water, food, or feed by storage or disposal. Consult local state agency for other regulations.

Pesticide Disposal: Product that cannot be used according to label instructions must be disposed of at or by an approved waste disposal facility.

Container Disposal: Do not reuse empty container. Triple rinse (or equivalent) then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other approved state and local procedures.

SECTION 7: HANDLING & STORAGE
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Precautions To Be Taken In Handling & Storing

Store upright at room temperature.

Other Precautions

Keep container closed. Do not store or consume food, drink, or tobacco in area where they may become contaminated with this material.

This product is toxic to fish. Do not apply directly to lakes, streams, ponds, tidal marshes, or estuaries. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water by cleaning of equipment or disposal of wastes.

SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION
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Respirator Protection

N/A

Ventilation

Use adequate ventilation if in high concentrations.

Skin and Eye Protection:

Avoid contact with eyes. Wear chemical goggles if there is likelihood of contact with eyes.

Avoid prolonged or repeated contact with skin.

Other Protective Clothing or Equipment:

Eye wash; safety showers; wash after handling.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES
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PHYSICAL STATE:	Liquid
VOLATILE FRACTION BY WEIGHT:	1%
SOLUBILITY IN WATER (By weight %):	100%
SPECIFIC GRAVITY (H ₂ O=1):	0.996
pH:	5-7
APPEARANCE:	Cloudy, slightly yellow liquid
ODOR:	Insecticide type

SECTION 10: STABILITY AND REACTIVITY

Stability:	Stable
Incompatibility (Materials to avoid):	Strong oxidizing agents.
Hazardous Decomposition or By-Products:	Carbon dioxide and carbon monoxide
Hazardous Polymerization:	Will not occur

SECTION 11: TOXICOLOGICAL INFORMATION

Oral LD50: >2860 mg/kg Albino rat

Dermal LD50: >2000 mg/kg Albino rabbit

Inhalation LC50: >4.57 mg/L Rats exposed for 4 hours to test atmosphere

EPA Acute Dermal Toxicity Limit:

Eye effects: Caused conjunctival irritation clearing by day 21

Skin effects: Slightly irritating at 72 hours

Sensitization: Appears to be a weak dermal sensitizer in albino guinea pigs

General Comments: Some or all of the toxicity data reported above was bridged from a substantially similar formula.

Comments: None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA, or ACGIH as being carcinogens.

Carcinogenicity/Oncogenicity –Pyrethrum has been tested in chronic feeding studies in mice and rats. Slightly elevated incidences of benign tumors of the thyroid and liver were seen in rats following high doses of Pyrethrum. Further detailed scientific studies into the mechanism causing these responses indicate that these effects in the animals only occur at doses greatly exceeding the likely human exposure levels. Thus, the effects seen in animals are of little relevance to humans.

SECTION 12: ECOLOGICAL INFORMATION

Avoid runoff into storm sewers and ditches which lead to natural waterways. This product is toxic to fish. Do not apply directly to lakes, streams, ponds, tidal marshes or estuaries. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water by cleaning of equipment or disposal of wastes.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal: Do not contaminate water, food, or feed by storage or disposal. Consult local state agency for other regulations.

Pesticide Disposal: Product that cannot be used according to label instructions must be disposed of at or by an approved waste disposal facility.

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SECTION 14: TRANSPORTATION INFORMATION

DOT, IMO, ICAO, Transport Canada	NFPA
HAZARD CLASS:	HEALTH... .. 2
PROPER SHIPPING NAME: Insecticide O/T Agricultural	FLAMMABILITY ... 1
UN NUMBER: None	REACTIVITY..... 0
LABEL: None	SPECIAL..... None
PACKING GROUP:	4=Extreme 3=High 2=Moderate 1=Slight 0=Insignificant
PLACARD:	
FLASH POINT: >200 F	

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATION

OSHA:

TSCA:

CERCLA HAZARDOUS SUBSTANCE (40 CFR 302): Reportable quantity, sec. 302.4: 1 lb (0.545 Kg)

SARA Title III: Threshold planning quantity, sec. 302

SARA Hazard Categories:

CHEMICAL SUBSTANCE	CAS NO.	CONCENTRATION % WT.
Pyrethrins	8003-34-7	0.1 MA TURA-3B; FL; RI (toxic); PA (environmental) ; NJ

SECTION 16: OTHER INFORMATION

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