

**PLANT MARVEL LABORATORIES, INC.**  
**CHICAGO HEIGHTS, ILLINOIS**  
**MATERIAL SAFETY DATA SHEET**

**PRODUCT NAME: i-BOMB® INSECTICIDE**

**SECTION I CHEMICAL AND COMPANY IDENTIFICATION**

Plant Marvel Laboratories, Inc. 371 E. 16th Street, Chicago Heights, IL 60411	<b>TELEPHONE NUMBERS:</b> Product Information: 708-757-7500 Transportation Emergency: 800-535-5053 Emergency: 800-524-7031
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Manufacturer Product Code: E82425  
Chemical Family: Mixture  
Chemical Formula: Mixture

**SECTION II COMPOSITION/INFORMATION ON INGREDIENTS**

INGREDIENT NAME	EXPOSURE LIMITS	CONCENTRATION PERCENT BY WEIGHT
Pyrethrins CAS No. 8003-34-7	None established	=0.05
Piperonyl Butoxide CAS No. 51-03-6	None established	=0.50
Isobutane CAS No. 75-28-5	None established	>25

**SECTION III HAZARDS IDENTIFICATION**

A milky white to light yellow liquid that is: Toxic to fish. Under pressure: Do not use or store near heat or open flame.

**POTENTIAL HEALTH EFFECTS**

PRIMARY ROUTE(S) OF ENTRY: Inhalation and skin contact.

EYES: May cause slight eye irritation.

SKIN: May cause slight skin irritation.

INHALATION: May cause dizziness and lightheadedness.

CHRONIC (CANCER INFORMATION): See Section XI for carcinogenic/oncogenic information on piperonyl butoxide and pyrethrum.

SIGNS AND SYMPTOMS: May cause gastrointestinal effects such as nausea, vomiting and diarrhea. Ingestion of large quantities can result in nervous system effects such as dizziness, loss of coordination, tremors and loss of consciousness. Symptoms usually regress with no long lasting effects.

**SECTION IV FIRST AID MEASURES**

EYES: Flush with water.

SKIN: Wash thoroughly with soap and water.

INHALATION: Remove victim to fresh air

**SECTION V FIRE FIGHTING MEASURES**

FLAMMABLE PROPERTIES: FLASHPOINT: N/A

FIRE AND EXPLOSION HAZARDS: Contents under pressure. Do not puncture. Do not store near heat or open flame.

Exposure to temperature above 130°F may cause bursting. Do not throw container into fire or incinerator.

EXTINGUISHING MEDIA: Carbon Dioxide, Dry Chemical, Foam or water.

FIRE FIGHTING INSTRUCTIONS: As in any fire, wear self-contained breathing apparatus pressure-demand.

MSHA/NIOSH approved (or equivalent) and full protective gear.

**SECTION VI ACCIDENTAL RELEASE MEASURES**

Soak up with an absorbent material and dispose of in trash.

**SECTION VII HANDLING AND STORAGE**

**HANDLING PRECAUTIONS:**

- Keep out of reach of children.
- Avoid breathing spray.
- Avoid contact with eyes and skin.
- Do not contaminate feed or foodstuffs.

STORAGE PRECAUTIONS: Do not store below 32°F.

WORK/HYGIENIC PRACTICES: Wash thoroughly with soap and water after use.

**SECTION VIII EXPOSURE CONTROLS/PERSONAL PROTECTION**

ENGINEERING CONTROLS: Use in well-ventilated area.

EYE/FACE PROTECTION: Safety glasses.

SKIN PROTECTION: Chemical resistant gloves.

**SECTION IX PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE: Liquid

**BASIC PHYSICAL PROPERTIES:**

PHYSICAL STATE: Liquid

SPECIFIC GRAVITY: 0.805

pH: Neutral

**SECTION X STABILITY AND REACTIVITY**

STABILITY: Stable

HAZARDOUS POLYMERIZATION: Will not occur.

**SECTION XI TOXICOLOGICAL INFORMATION**

ACUTE STUDIES: No acute toxicity data is available for this formulation.

CHRONIC (CANCER INFORMATION): In a recent study, marginally higher incidences of benign thyroid, parathyroid, ovary and liver tumors were observed in rats and in lungs of mice following lifetime high doses exposures to pyrethrum. Marginally higher incidences of benign liver tumors in mice were observed following lifetime high dose exposures to piperonyl butoxide.

The significance of these observations is questionable and under review. The doses at which tumors were observed for both pyrethrum and piperonyl butoxide greatly exceeded potential human exposure from labeled uses.

CARCINOGENICITY: NTP: No IARC: No OSHA: No

TERATOGENICITY (Birth defects): There were no birth defects or adverse effects on reproductive parameters in tests with rats and rabbits for either pyrethrum or piperonyl butoxide. They are not considered to be teratogenic.

MUTAGENICITY (Genetic effects): Pyrethrum was not found to be genotoxic and did not damage DNA in any study conducted.

PBO was not genotoxic in several tests including the Ames mutagenicity assay, chromosome aberration in Chinese hamster ovary (CHO) cells, CHO/HGPRT assay with S9 activation, and in the unscheduled DNA synthesis (UDS) assay in cultured liver cells.

**SECTION XII ECOLOGICAL INFORMATION**

OTHER ENVIRONMENTAL INFORMATION: This product is toxic to fish. Do not use near fishbowls or aquaria. Do not apply directly to water.

**SECTION XIII DISPOSAL CONSIDERATIONS**

Do not incinerate. Wrap container and put in trash collection.

**SECTION XIV REGULATORY INFORMATION**

SARA TITLE III NOTIFICATIONS AND INFORMATION

SARA TITLE III - SECTION 313 SUPPLIER NOTIFICATION

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 (EPCRA) of 1986 and of 40 CFR 372:

CAS NUMBER	INGREDIENT NAME	PERCENT BY WEIGHT
51-03-6	Piperonyl butoxide	=0.5

*This information must be included on all MSDS that are copied and distributed for this material.*

**REGULATED INGREDIENTS:**

INGREDIENT	CAS NUMBER	PERCENT BY WEIGHT	REGULATIONS
Pyrethrins	8003-34-7	0.05	Illinois Toxic Substance/New Jersey Workplace Hazardous Substance/Pennsylvania Environmental Hazardous Substance/ Pennsylvania Workplace Hazardous Substance
Piperonyl butoxide	51-03-6	0.5	SARA Section 313 Toxic Chemical
Isobutane	75-28-5	>25	Massachusetts Hazardous Substance/New Jersey Environmental Hazardous Substance/ New Jersey Special Health Hazardous Substance/ New Jersey Workplace Hazardous Substance/ Pennsylvania Workplace Hazardous Substance

**SECTION XV OTHER INFORMATION**

TRANSPORT INFORMATION:

D.O.T. CLASSIFICATION: Consumer Commodity ORM-D

HMIS HAZARD RATING: Health: 1 Slight	NFPA HAZARD RATING: Health: 1 Slight
Fire: 1 Slight	Fire: 1 Slight
Reactivity: 0 Negligible	Reactivity: 0 Negligible
Protection: B	Special: -

*The information provided herein was believed to be accurate at the time of preparation or prepared from sources believed to be reliable, but it is the responsibility of the user to investigate and other pertinent sources of information, to comply with all laws and procedures applicable to the safe handling and use of product and to determine the suitability of the product for its intended use.*