

# Material Safety Data Sheet

Product Name: Synergized Lice-No-More Insecticide

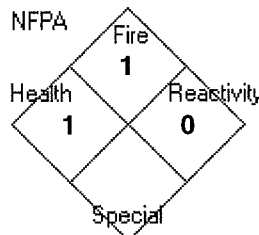
MSDS No.: 729-2

Version No.: 001

EPA Registration No.: 1021-1739-2217

## I. Basic Information:

**Manufacturer:** PBI/Gordon Corporation  
**Address:** 1217 West 12th Street  
**City, State Zip:** Kansas City, MO 64101-1407  
**Information Contact:** Environmental, Health, & Safety Dept.  
**Information Telephone Number:** (816)421-4070  
**Emergency Contact:** Chemtrec  
**Emergency Telephone Number:** (800)424-9300



1	Health
1	Flammability
0	Reactivity
B	Pers. Protection

Last Update: 5/28/2003

**Chemical State:** ☒ Liquid ☐ Gas ☐ Solid  
**Chemical Type:** ☐ Pure ☒ Mixture

## II. Ingredients:

☐ Trade Secret (ND = Not Disclosed)

CAS No.	Chemical Name	% Range	EHS	NTP	IARC	SUB Z	SARA 313	OSHA PEL	ACGIH TLV	Other Limits
52645531	Permethrin (3-Phenoxyphenyl)methyl(+)-cis/trans-3-( 2,2-dichloroethenyl) 2,2-dimethylcyclopropanecarboxylate	1.00%	N	N	N	N	Y	NI	NI	NI
51036	Piperonyl butoxide	1.00%	N	N	N	N	Y	NI	NI	NI

## III. Hazardous Identification:

**Hazard Category:**

☒ Acute ☒ Chronic ☐ Fire ☐ Pressure ☐ Reactive

**Hazardous Identification Information:**

Clear, odorless liquid.

## IV. First Aid Measures:

**Route(s) of Entry:**

Contact, ingestion, inhalation.

**Health Hazards (Acute and Chronic):**

EMERGENCY OVERVIEW: IMMEDIATE CONCERNS: CAUTION. Harmful if absorbed through skin or inhaled. Avoid contact with skin, eyes and clothing. Avoid breathing vapor or spray mist.

**POTENTIAL HEALTH EFFECTS:**

**EYES:** Can cause temporary irritation, tearing and blurred vision.

**SKIN:** Can cause a burning or prickling sensation on more sensitive areas (face, eyes, mouth). Prolonged and/or repeated exposure can cause irritation and reddening of the skin, possibly progressing into dermatitis.

**SKIN ABSORPTION:** Harmful if absorbed through skin.

**INGESTION:** Can cause stomach irritation, resulting in nausea, cramps and vomiting. Can cause nervous system disorders, such as fatigue, dizziness, headache, lack of coordination, tremors and unconsciousness. Small amounts of this product aspirated into the respiratory system during ingestion of vomiting may cause lung inflammation and other lung injury.

### First Aid Measures (Continued)

**INHALATION:** Not a likely route of exposure, however can be irritating to respiratory tract if inhaled.

**CHRONIC:** Not established.

**Signs and Symptoms:**

Prolonged and/or frequent contact may cause dermatitis. Repeated excessive exposure to mists or fumes may cause pulmonary irritation or chronic bronchitis.

**Medical Conditions Generally Aggravated by Exposure:**

NI

**Emergency First Aid Procedure:**

If in eyes:

- Hold eye open and rinse slowly and gently with water for 15-20 minutes.
- Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
- Call a poison control center or doctor for treatment advice.

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.

If swallowed:

- Immediately call a poison control center or doctor.
- Do not induce vomiting unless told to do so by a poison control center or doctor.
- Do not give any liquid to the person.
- Do not give anything by mouth to an unconscious person.

If inhaled:

- Move person to fresh air.
- If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.
- Call a poison control center or doctor for further treatment advice.

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## First Aid Measures (Continued)

--Have the product container or label with you when calling a poison control center or doctor or going for treatment.

### Other Health Warnings:

Note to Physician and Veterinarians:

--This product poses an aspiration pneumonia hazard.

Potential danger from aspiration must be weighed against possible oral toxicity when deciding whether to induce vomiting.

## V. Fire Fighting Measures:

Flash Point: >200°F F.P. Method: TAG CC

Lower Explosive Limit: NI

Upper Explosive Limit: NI

### Fire Extinguishing Media:

Foam, carbon dioxide, or dry chemical.

### Special Fire Fighting Procedures:

Treat as an oil fire. Wear self-contained breathing apparatus and full protective clothing. Prevent contamination of surface water by fire control runoff. If water is contaminated, advise local authorities.

### Unusual Fire and Explosion:

Keep nearby containers and equipment cool with a water stream.

## VI. Accidental Release Measures:

### Steps to be Taken in Case Material is Released or Spilled:

See Section 8 for Personal Protective Equipment. Collect spilled material on inert absorbent and place in containers for disposal. Cover and label the containers. Wash the area with water. Do not allow wash water to contaminate surface water.

## VII. Handling and Storage:

### Precautions to be Taken:

Avoid contact with skin, eyes and clothing. Avoid breathing vapors or spray mist. Mechanical ventilation should be used when handling this product in enclosed spaces. Wearing a respirator is not normally required when handling this product, but recommended in the absence of proper mechanical ventilation. Do not contaminate water, feed or food by storage, handling or disposal. Read and observe all precautions and instructions on the label.

### Other Precautions:

Store containers upright and closed. Store in areas that are cool, dry and well-ventilated. Keep away from heat, ignition sources and strong acids, bases and oxidizers. Emptied containers may retain product residues. Keep away from children.

## VIII. Exposure Controls/Personal Protection:

### Ventilation Requirements:

Good local ventilation; mechanical ventilation in an enclosed area.

### Personal Protective Equipment:

EYES AND FACE: Take prudent precautions to avoid contact with skin and clothing.

SKIN: Take prudent precautions to avoid contact with skin and clothing.

RESPIRATORY: In absence of proper mechanical ventilation, wear a NIOSH approve organic vapor respirator.

## Exposure Controls/Personal Protection (Continued)

WORK HYGENIC PRACTICES: DO NOT SMOKE, EAT OR DRINK OR APPLY COSMETICS IN WORK AREA! Wash promptly if skin becomes contaminated. Wash at the end of each work shift and before eating, smoking and using the toilet.

## IX. Physical and Chemical Properties:

Boiling Point: NI

Melting Point: NI

Evaporation Rate (Butyl Acetate = 1): NI

Vapor Pressure (mm Hg.): <0.1 mmHG

Vapor Density (Air = 1): NI

Specific Gravity (H2O = 1): 0.85400

Solubility in Water: Immiscible in water

Appearance and Odor: Mild, almost odorless

### Other Information:

Specific gravity: .854 @ 20°C.

Viscosity: 27 CPS @ 22°C Brookfield

% Volatile: Negligible

## X. Stability and Reactivity:

### Stability:

Stable.

### Incompatibility (Materials to Avoid):

Not compatible with strong acids or bases. Not compatible with strong oxidizers.

Conditions to Avoid: High heat and open flame.

### Decomposition/By-Products:

NI

### Hazardous Polymerization:

Will not occur.

## XI. Toxicological Information:

DERMAL LD50: >2,000 mg/kg Rabbit. EPA Toxicity Category III

ORAL LD50: >5,000 mg/kg/kg Albino Rat. EPA Toxicity Category IV

INHALATION LC50: The Acute Inhalation LD50 of this material places it in EPA Toxicity Category IV.

EYE EFFECTS: Mildly irritating to both rinsed and unrinsed albino rabbit eyes. EPA Toxicity Category IV

SKIN EFFECTS: Slight irritant to rabbit skin, no irritation noted at 72 hours. EPA Toxicity Category IV.

SENSITIZATION: When applied dermally to albino guinea pigs, this product does not appear to be a dermal sensitizer.

## XII. Ecological Information:

This product contains pyrethroids which are extremely toxic to fish and other aquatic invertebrates.

## XIII. Disposal Considerations:

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## Disposal Considerations (Continued)

If empty: Do not reuse this container. Place in trash or offer for recycling if available.

If partially filled: Call your local solid waste agency or toll free number (1-800-CLEANUP) for disposal instructions. Never place unused product down any indoor or outdoor drain.

### **XIV. Transport Information:**

The following guidelines apply for domestic ground transport. If shipping by air or ocean, please contact our Transportation Dept.

Freight Class: Insecticides, NOI - NMFC #102120

In our current available sizes, this product does not qualify as a Hazardous Material.

### **XV. Regulatory Information:**

OSHA STATUS: This product is hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.

TSCA STATUS: This product is exempt from TSCA Regulation under FIFRA Section 3(2)(B)(ii) when used as a pesticide.

CERCLA REPORTABLE QUANTITY: None

#### SARA TITLE III:

SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES: None

SECTION 311/312 HAZARD CATEGORIES: Immediate Health Hazard, Delayed Health Hazard

SECTION 313 TOXIC CHEMICALS: Permethrin CAS# 52645-53-1, Piperonyl Butoxide CAS# 51-03-6

RCRA STATUS: If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic. However, under RCRA it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste. (40 CFR 261.20-24)

### **XVI. Other Information:**

REASON FOR ISSUE: New MSDS in the ANSI Z400.1-1998 format

NOTE: NI means not indicated.

The information and statements in this Material Safety Data Sheet are believed to accurately reflect the scientific evidence used in making the hazard determination, but is not to be construed as a warranty or representation for which we assume legal responsibility. Additional information may be necessary or desirable depending on particular, exceptional or variable conditions or circumstances of use or storage or because of locally applicable laws or government regulations. Therefore, you should use this information only as a supplement to other information available to you and must make independent determinations of the suitability of the information for your particular circumstances or conditions and of the completeness of the information available from all sources to assure both the proper use of the material described herein and the safety and health of employees.