

SAFETY DATA SHEET

Product Name: Prozap® LD-44T
Issue Date: June 1, 2015
Replaces: New Issue
SDS Number: CTL0167

1. PRODUCT IDENTIFICATION

Product Name: **Prozap® LD-44T**
Product Number(s): 0073010
Use: Insecticide
Manufacturer: ChemTech, Ltd.
1006 North Highway 5
Pleasantville, IA 50225
Manufacturer Phone: 1-800-477-8201
Distributor: ChemTech, Ltd.
1006 North Highway 5
Pleasantville, IA 50225
Distributor Phone: 1-800-477-8201
Emergency Phone: **Medical: 1-888-740-8712**
Spill: 1-800-424-9300 (United States)

2. HAZARDS IDENTIFICATION

Classifications: Gases Under Pressure Liquefied Gas
Flammable aerosol Category 2

Signal Word (EPA): CAUTION
Signal Word (OSHA): WARNING

Hazard Statements: Contains gas under pressure: may explode if heated.
Flammable aerosol
Harmful to aquatic life
Harmful to aquatic life with long lasting effects

Hazard Symbols:



Precautionary Statements: Keep away from heat/sparks/open flames/hot surfaces. – No Smoking
Do not spray on an open flame or other ignition source
Pressurized container: Do not pierce or burn, even after use
Specific treatment (see Section 4/First Aid)
Protect from sunlight. Do not expose to temperatures exceeding 50° C/122° F
Store in well-ventilated place
Dispose of contents/container to an approved waste disposal plant

Other Hazard Statements: Do not apply this product around electrical equipment due to possible shock hazard.

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3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>Common Name</u>	<u>CAS Number</u>	<u>Concentration</u>
Pyrethrins	Pyrethrins	8003-34-7	1.0%
Piperonyl Butoxide (PBO)	Piperonyl Butoxide (PBO)	51-03-6	2.0%
n-Octyl bicycloheptene dicarboximide	n-Octyl bicycloheptene dicarboximide	113-48-4	3.0%

*The exact percentage (concentration) of composition has been withheld as a trade secret.
Ingredients not precisely identified are proprietary or non-hazardous. Values are not product specifications.

4. FIRST AID MEASURES

Have the product container, label, or Safety Data Sheet with you when calling 1-888-740-8712, a poison control center or doctor, or going for treatment.

Aspiration pneumonia hazard: No information available.

Eye Contact: 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.

Skin Contact: 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.

Ingestion: If swallowed, IMMEDIATELY call a poison control center or doctor for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or a doctor. Never give anything by mouth to an unconscious person.

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

Self-protection of the First Responder:
Remove all sources of ignition. Use personal protective equipment as required.

Note to physicians:
For skin effects, a highly efficient therapeutic agent for Pyrethrin/Pyrethroid exposure is a topical application of tocopherol acetate (Vitamin E).

5. FIRE FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media:

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Caution: Use of water spray when fighting fire may be inefficient.

Hazardous combustion products:
Carbon monoxide, Carbon dioxide (CO₂)

Specific hazards:
Extremely flammable

Explosion data:
Sensitivity to Mechanical Impact: None
Sensitivity to Static Discharge: None

Special protective equipment and precautions for firefighters:

In the event of fire and or explosion do not breathe fumes.

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6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Remove all sources of ignition. Evacuate personnel to safe areas. Ensure adequate ventilation, especially in confined areas. Use personal protective equipment as required. Keep people away from and upwind of spill/leak.

Environmental precautions:

Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system. See Section 12 for additional ecological information.

Methods and materials for containment:

Prevent further leakage or spillage if safe to do so. Cover powder spill with plastic sheet or tarp to minimize spreading. Dike far ahead of liquid spill for later disposal.

Methods and materials for cleaning up:

Dam up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Pick up and transfer to properly labeled containers. Soak up with inert absorbent material.

7. HANDLING AND STORAGE

Precautions for safe handling:

Ensure adequate ventilation, especially in confined areas. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Take precautionary measures against static discharges. Use spark-proof tools and explosion-proof equipment. All equipment used when handling the product must be grounded. Use with local exhaust ventilation. Use personal protective equipment as required. Do not breathe dust/fume/gas/mist/vapors/spray. Avoid contact with eyes. Avoid breathing vapors or mists. Contents under pressure. Do not puncture or incinerate cans. Do not stick pin or any other sharp object in opening on top of can. For more information see product label.

Conditions for safe storage, including any incompatibilities:

Keep tightly closed in a dry and cool place. Keep in properly labeled container. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep containers tightly closed in a cool, well-ventilated place. For more information, see product label.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limit

<u>Chemical Name</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>OTHER</u>	<u>SOURCE</u>
Pyrethrins	5 mg/m ³	5 mg/m ³	Not Established	Not Applicable
Piperonyl Butoxide (PBO)	Not Established	Not Established	Not Established	Not Applicable
n-Octyl bicycloheptene dicarboximide	Not Established	Not Established	Not Established	Not Applicable

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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Yellowish-Colored Liquid
Odor: Pyrethroid Odor
pH: Not Available
Melting Point: Not Available
Freezing Point: Not Available
Boiling Point and Boiling Range: Aerosol Under Pressure
Flash Point (Test Method): < -50° C
Flammable Limits (% in air): LEL: 1.8 UEL: 9.5
Flammability: Flammable
Vapor Pressure: 60 psi @ 70° F
Vapor Density: 0.71 g/mL
Relative Density: 8.3232 lbs/gal
Solubility (ies): Not Soluble
Partition Coefficient: Not Available
Viscosity: Not Available
Other: Not Available

10. STABILITY AND REACTIVITY

Reactivity: Not Available
Chemical Stability: Stable under recommended storage conditions
Possible Hazardous Reactions: None under normal processing.
Conditions to Avoid: Heat, flames and sparks.
Incompatible Materials: Strong acids, strong bases, and Oxidizing agents
Hazardous Decomposition Products: Carbon monoxide, Carbon dioxide (CO₂)

11. TOXICOLOGICAL INFORMATION

Numerical Measures of Toxicity (Product Information)

Ingestion: Oral LD₅₀ (Rat): >5,000 mg/kg
Dermal: Dermal LD₅₀ (Rabbit): >2,000 mg/kg
Inhalation: Inhalation LC₅₀ (Rat): >11.79 mg/L, 4 hrs.
Eye Contact: Irritation clearing in 48 hours. (Rabbit)
Skin Contact: Slight irritation at 72 hours. (Rabbit)
Skin Sensitization: Negative. (Guinea pig)
Comment: Toxicology data was bridge from a similar formula

Piperonyl Butoxide:

Carcinogenicity/Oncogenicity:

Marginally higher incidents of benign liver tumors in mice were observed following lifetime high dose exposures to PBO. The significance of these observations is questionable and under review. The doses at which tumors were observed for PBO greatly exceeded potential human exposure from labeled uses. Doses at which these effects were observed greatly exceeded anticipated human dietary intake. At anticipated dietary exposure levels, it highly unlikely that this product will result in carcinogenic effects.

Carcinogenicity:

This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

Reproductive/Developmental Effects

Not Available

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Chronic/Subchronic Toxicity Studies

Not Available

Carcinogenicity

Not Available

Other Toxicity Information

Not Available

Toxicity of Other Components

Not Applicable

Target Organs

Active Ingredients

Not Applicable

Inactive Ingredients

Not Applicable

12. ECOLOGICAL INFORMATION

Do not apply this product directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark. This product is toxic to fish and other aquatic life. Do not contaminate water by cleaning or equipment or when disposing of equipment washwaters.

13. DISPOSAL CONSIDERATIONS

Disposal: Do not reuse empty container except for holding additional product.
Characteristic Waste: Not Applicable
Listed Waste: Not Applicable

14. TRANSPORT INFORMATION

DOT Classification

Proper Shipping Name: Aerosols, non-flammable
Hazard Class: 2.2
UN Number: 1950
Packing Group: Not Applicable
Label: Not Applicable
Special Instructions: Not Applicable

IMDG Classification

Proper Shipping Name: Aerosols, non-flammable
Hazard Class: 2.2
UN Number: 1950
Packing Group: Not Applicable
Label: Not Applicable
Special Instructions: Not Applicable

IATA Classification

Proper Shipping Name: Aerosols, non-flammable
Hazard Class: 2.2
UN Number: 1950
Packing Group: Not Applicable
Label: Not Applicable
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Canadian Classification

Proper Shipping Name: Aerosols, non-flammable
Hazard Class: 2.2
UN Number: 1950
Packing Group: Not Applicable
Label: Not Applicable
Special Instructions: Not Applicable

15. REGULATORY INFORMATION

Pesticide Registration

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label.

Caution: Harmful if swallowed or absorbed through skin. Keep away from children, domestic animals and pets. Do not get in eyes, on skin or on clothing. All handlers (including applicators) must wear shoes plus socks, and gloves. Any person who retrieves carcasses or unused bait following application of this product must wear waterproof gloves.

EPA Registration Number : 47000-7

EPA SARA Title III Classification

Section 311/312 Hazard Classes: Acute Health Hazard

Section 313 Toxic Chemicals: Not Applicable

California Proposition 65 : Not Applicable

CERLA/SARA 302 Reportable Quantity (RQ) :
Pyrethrins CAS No. 8003-34-7 1 pound
Piperonyl Butoxide CAS No. 51-03-6 1%

RCRA Hazardous Waste Classification (40 CFR 261): Not Applicable

TSCA Status: Exempt from TSCA, subject to FIFRA

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16. OTHER INFORMATION

NFPA Hazard Ratings

Health: 1
Flammability: 4
Instability: 0
Other:

HMIS Hazard Ratings

Health: 1*
Flammability: 4
Reactivity: 0
Personal Protection: X

0 - Minimal
1 - Slight
2 - Moderate
3 - Serious
4 - Extreme
* - Chronic Health Hazard

For Non-Emergency Questions About This Product Call:

1-800-621-8829

Neogen Corporation

Lexington, KY

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