

SAFETY DATA SHEET

according to 29 CFR 1910.1200 and GHS

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Prozap® LD-44Z Insect Fogger

Revision 2
Revision date 2019-09-12

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name	Prozap® LD-44Z Insect Fogger
Product code	1450010, 1453510

1.2. Relevant identified uses of the substance or mixture and uses advised against

Product Use	[SU22] Professional uses: Public domain (administration, education, entertainment, services, craftsmen); [PC8] Biocidal products (e.g. Disinfectants, pest control);
Description	Aerosol insecticide.

1.3. Details of the supplier of the safety data sheet

Company	Neogen Corporation
Address	620 Leshler Place Lansing MI 48912 USA
Web	www.neogen.com
Telephone	517-372-9200/800-234-5333
Email	SDS@neogen.com

1.4. Emergency telephone number

	24 hours: Medical: 1-800-498-5743 (U.S. and Canada) or 1-651-523-0318 (international) Spill/CHEMTREC: 1-800-424-9300 (U.S. and Canada) or 1-703-527-3887 (international)
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Further information

Manufactured By:	Chem-Tech Ltd. 1006 Business Highway 5 Pleasantville, IA 50225 U.S.A. Chem-Tech Ltd. is a wholly-owned subsidiary of Neogen Corporation.
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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

2.1.2. Classification - GHS	Liquefied gas: H280; Skin Irrit. 2: H315; Eye Irrit. 2: H319; Aquatic Chronic 2: H411;
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2.2. Label elements

Hazard pictograms



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2.2. Label elements

Signal Word	Warning
Hazard Statement	Liquified gas: H280 - Contains gas under pressure; may explode if heated. Skin Irrit. 2: H315 - Causes skin irritation. Eye Irrit. 2: H319 - Causes serious eye irritation. Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Precautionary Statement: Prevention	P264 - Wash thoroughly after handling. P273 - Avoid release to the environment. P280 - Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary Statement: Response	P302+P352 - IF ON SKIN: Wash with plenty of water/ . P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P332+P313 - If skin irritation occurs: Get medical advice/attention. P337+P313 - If eye irritation persists: Get medical advice/attention.
Precautionary Statement: Storage	P410+P403 - Protect from sunlight. Store in a well-ventilated place.
Precautionary Statement: Disposal	P501 - Dispose of contents/container to an approved waste disposal facility in accordance with local and national regulations.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
Dimethyl ether	603-019-00-8	115-10-6	204-065-8		40 - 50%	Flam. Gas 1: H220;
Isopropanol (2-Propanol)	603-117-00-0	67-63-0	200-661-7		10 - 20%	Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336;
Piperonyl butoxide		51-03-6	200-076-7		1 - 10%	Aquatic Acute 1: H400; Aquatic Chronic 1: H410;
1,1-Difluoroethane		75-37-6	200-866-1		0.5 - 1%	Flam. Gas 1: H220; Liquified gas: H280;
ColaCor AER Surfactant					0.5 - 1%	Skin Corr. 1C: H314; Eye Dam. 1: H318; STOT RE 2: H373; Aquatic Chronic 3: H412;
Pyrethrins (Pyrethrum)		8003-34-7			0 - 0.5%	Acute Tox. 4: H302+H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410;

Description

Concentrations listed are not product specifications.

Further information

Full text of Hazard Statements listed in this Section is provided in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Move the exposed person to fresh air. If breathing stops, provide artificial respiration. If breathing is difficult give oxygen. Seek medical attention if irritation or symptoms persist.
Eye contact	Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Contact lenses should be removed.

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4.1. Description of first aid measures

Skin contact	Remove contaminated clothing. Wash with soap and water. Seek medical attention if irritation or symptoms persist.
Ingestion	If swallowed, seek medical advice immediately and show this container or label. Do not give any liquid to the patient. Do not administer anything by mouth.

4.2. Most important symptoms and effects, both acute and delayed

Inhalation	May cause dizziness and headache. May cause irritation to respiratory system.
Eye contact	Causes eye irritation.
Skin contact	Causes skin irritation. May cause allergic reactions in susceptible people.
Ingestion	Ingestion may cause nausea and vomiting. May cause oral mucosal irritation.

4.3. Indication of any immediate medical attention and special treatment needed

	Remove the affected person from the source of contamination immediately. Transfer to hospital if there are burns or symptoms of poisoning. Seek medical attention if irritation or symptoms persist. If medical advice is needed, have product container or label at hand.
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Further information

	Refer to product label for FIFRA-required First Aid directions.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

	Evacuate personnel to a safe area. Use extinguishing media appropriate to the surrounding fire conditions.
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5.2. Special hazards arising from the substance or mixture

	Aerosol. Heat will increase pressure in sealed containers. Fire will produce dense black smoke. Toxic to aquatic life. Do not allow runoff water to enter sewers or drains.
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5.3. Advice for firefighters

	In case of fire and/or explosion do not breathe fumes. Wear: Self-contained breathing apparatus. Protective equipment.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

	Wear long sleeved shirt and long pants, socks and shoes. Wear suitable gloves.
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6.2. Environmental precautions

	Insoluble in water. Do not flush into surface water. Do not let product contaminate subsoil. Do not empty into drains; dispose of this material and its container in a safe way.
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6.3. Methods and material for containment and cleaning up

	Absorb spillage to prevent material damage. Clean with detergents. Avoid solvents. Dispose of this material and its container to hazardous or special waste collection point.
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6.4. Reference to other sections

	See Section(s) 2, 8, and 13 for further information.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

	Adopt best Manual Handling considerations when handling, carrying and dispensing. Ensure adequate ventilation of the working area. All handlers (including applicators) must wear
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7.1. Precautions for safe handling

long-sleeved shirt and long pants, and shoes plus socks. Wear suitable gloves.

7.2. Conditions for safe storage, including any incompatibilities

Keep away from food, drink and animal feed and/ or feed products. Keep away from sources of ignition - No smoking. Heat will increase pressure in sealed containers. Contact with combustible material may cause fire. Keep only in the original container in a cool, well-ventilated place away from children and pets.

7.3. Specific end use(s)

See Section(s) 1.2 for further information.

Further information

Refer to product label for FIFRA-required Storage and Disposal directions.

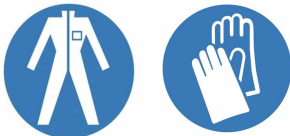
SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure Limit Values

Isopropanol (2-Propanol)	ACGIH TLV TWA: 200 ppm	ACGIH TLV STEL: 400 ppm
	Notations: A4	OSHA PEL 8hr TWA ppm: 400
	OSHA PEL 8hr TWA mg m3: 980	Skin Designation: -
	NIOSH REL 10hr TWA ppm:	NIOSH REL 10hr TWA mg m3:
	NIOSH REL 15 min ST ppm:	NIOSH REL 15 min ST mg m3:
Pyrethrins (Pyrethrum)	ACGIH TLV TWA: 5 mg/m ³	ACGIH TLV STEL: -
	Notations: A4	OSHA PEL 8hr TWA ppm: -
	OSHA PEL 8hr TWA mg m3: 5	Skin Designation: -
	NIOSH REL 10hr TWA ppm:	NIOSH REL 10hr TWA mg m3:
	NIOSH REL 15 min ST ppm:	NIOSH REL 15 min ST mg m3:

8.2. Exposure controls

	
Appropriate engineering controls	Ensure adequate ventilation of the working area.
Individual protection measures	Adopt best Manual Handling considerations when handling, carrying and dispensing. Use appropriate personal protective equipment.
Eye / face protection	Use as appropriate: Suitable eye protection.
Skin protection - Hand protection	Wear: Chemical resistant gloves. Wash the outside of gloves before removing them. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.
Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment.
Occupational exposure controls	Avoid contamination of food or feedstuffs. Exposure above the recommended occupational exposure limit (OEL) may cause adverse health effects.

Further information

Refer to product label for additional PPE requirements and recommendations. Follow label

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Further information

instructions.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State	Aerosol
Color	Clear
Odor	Characteristic
Odor threshold	No data available
pH	No data available
Melting point	No data available
Freezing Point	No data available
Boiling point	No data available
Flash point	No data available
Evaporation rate	No data available
Flammability limits	No data available
Vapor pressure	No data available
Vapor density	No data available
Relative density	0.9239
Partition coefficient	No data available
Autoignition temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidizing properties	No data available
Solubility	Slightly soluble in water

9.2. Other information

VOC (Volatile organic compounds)	No data available
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Further information

Flame extension: 0.

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Aerosol. Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4. Conditions to avoid

Avoid sparks, flames, heat and sources of ignition. Keep in a cool place away from children and pets.

10.5. Incompatible materials

Contact with combustible material may cause fire. Strong oxidizing agents.

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10.6. Hazardous decomposition products

Carbon oxides.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	Based on available data, the classification criteria are not met. However, this product does contain substance(s) that are classified as hazardous. For more information, see Section 3.
Skin corrosion/irritation	Causes skin irritation.
Serious eye damage/irritation	Causes serious eye irritation.
Respiratory or skin sensitization	May cause allergic reactions in susceptible people.
Germ cell mutagenicity	No mutagenic effects reported.
Carcinogenicity	Listed by the International Agency for Research on Cancer (IARC) as a group 3 substance: evidence does not support the substance as a human carcinogen. Not listed in the American Conference of Governmental Industrial Hygienists (ACGIH) Guide to Occupational Exposure Values. Not listed in the National Toxicology Program (NTP) 14th Report on Carcinogens. Not listed in the OSHA standard 1910.1003 Carcinogens.
Reproductive toxicity	No teratogenic effects reported.
STOT-single exposure	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
STOT-repeated exposure	Components(s) may cause damage to human organs based on animal data.
Aspiration hazard	Potential for aspiration if swallowed.
Repeated or prolonged exposure	Avoid prolonged or repeated exposure.

11.1.4. Toxicological information

No data available

SECTION 12: Ecological information

12.1. Toxicity

No data available

12.2. Persistence and degradability

Insoluble in water.

12.3. Bioaccumulative potential

No data available.

Partition coefficient

Prozap® LD-44Z Insect Fogger No data available

12.6. Other adverse effects

This pesticide is toxic to aquatic organisms, including fish and invertebrates. Do not apply directly to or near water. Drift and run-off may be hazardous to fish in water adjacent to treated area. Do not contaminate water when disposing of equipment, washwater, or rinsate. See Directions for Use on the product label for additional precautions and requirements.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

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13.1. Waste treatment methods

	Do not burn or incinerate. Dispose of contents/container to an approved waste disposal facility in accordance with local and national regulations. Do not contaminate water by cleaning of equipment or disposal of wastes.
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Further information

	Refer to product label for FIFRA-required Storage and Disposal directions.
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SECTION 14: Transport information

Hazard pictograms



14.1. UN number

	UN1950
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14.2. UN proper shipping name

	AEROSOLS
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14.3. Transport hazard class(es)

DOT	2
Subsidiary risk	see SP63
IMDG	2
Subsidiary risk	see SP63
IATA	2
Subsidiary risk	see SP63

14.4. Packing group

Packing group	-
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14.5. Environmental hazards

Environmental hazards	No
Marine pollutant	No

DOT

Hazard ID	-
Tunnel Category	(E)

IMDG

EmS Code	F-D S-U
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SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Regulations	Hazard Communication Standard: 29 Code of Federal Regulations 1910.1200: Occupational Safety and Health Standards: Z: Toxic and Hazardous Substances: Hazard Communication.
Chemical Inventories/Right-to-Know Lists:	Toxic Substances Control Act (TSCA): All ingredients listed or exempt. Massachusetts Right-to-Know Hazardous Substance List: Pyrethrins, Piperonyl butoxide. New Jersey Worker and Community Right to Know Act: Pyrethrins, Piperonyl butoxide. Pennsylvania Right to Know Law: Pyrethrins and pyrethroids.

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15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Rhode Island Right-to-Know General Law: Pyrethrins and pyrethroids.

California Prop 65: This material contains no reportable components.

Inventories

Ingredient	TSCA	MA	SARA313	CALPROP65	CWA307	CAA112	CWA311	SARA302	SARA304
Dimethyl ether (Methane, oxybis-)	Y	N	N	N	N	N	N	N	N
Isopropanol (2-Propanol)	Y	N	Y 1.0	N	N	N	N	N	N
Pyrethrins	N	N	N	N	N	N	Y	N	N

Further information

FIFRA	This chemical is a pesticide product registered by the United States 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 (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.
FIFRA Signal Word	CAUTION.
FIFRA Warning	Keep out of reach of children. Hazards to humans and domestic animals. Harmful if swallowed. Harmful if absorbed through the skin. Avoid contact with eyes, skin, or clothing.

SECTION 16: Other information

Other information

Revision	This document differs from the previous version in the following areas: 14 - Further information.
Text of Hazard Statements in Section 3	Flam. Gas 1: H220 - Extremely flammable gas. Flam. Liq. 2: H225 - Highly flammable liquid and vapour. Eye Irrit. 2: H319 - Causes serious eye irritation. STOT SE 3: H336 - May cause drowsiness or dizziness. Aquatic Acute 1: H400 - Very toxic to aquatic life. Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects. Liquified gas: H280 - Contains gas under pressure; may explode if heated. Skin Corr. 1C: H314 - Causes severe skin burns and eye damage. Eye Dam. 1: H318 - Causes serious eye damage. STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure . Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects. Acute Tox. 4: H302+H312+H332 - Harmful if swallowed, in contact with skin or if inhaled

Further information

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Further information

	furnished "as is" and only subject to the warranties herein provided, no liability is assumed resulting from the use of this product.
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