

SAFETY DATA SHEET

according to 29 CFR 1910.1200 and GHS

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Prozap® LD-44Z Insect Fogger

Revision 0
Revision date 2019-04-10

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	[SU3] Industrial uses: Uses of substances as such or in preparations at industrial sites; [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	regulatorysupport@neogen.com

1.4. Emergency telephone number

Emergency telephone number	1-800-234-5333
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Further information

Manufactured By:	Chem-Tech Ltd. 1006 Business Highway 5 Pleasantville, IA 50225 U.S.A.
Hotline(s):	Chem-Tech Ltd. is a wholly-owned subsidiary of Neogen Corporation. Medical: United States (1-800-498-5743), International (1-651-523-0318). Spill/CHEMTREC: United States (1-800-424-9300), International (1-703-527-3887).

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

2.1.2. Classification - GHS	Aerosols 2: H223; 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	Aerosols 2: H223 - Flammable aerosol. 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	P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P211 - Do not spray on an open flame or other ignition source. P251 - Do not pierce or burn, even after use. 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. P321 - Specific treatment (see on this label). P332+P313 - If skin irritation occurs: Get medical advice/attention. P337+P313 - If eye irritation persists: Get medical advice/attention. P391 - Collect spillage.
Precautionary Statement: Storage	P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50°C/ 122°F.
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;
152A Aerosol propellant		75-37-6			0.5 - 1%	Liquified gas: H280;
Cola Cor AER					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;

Further information

The exact percentage (concentration) of composition has been withheld as a trade secret.

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.
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4.1. Description of first aid measures

Eye contact	Rinse immediately with plenty of water. Contact lenses should be removed.
Skin contact	Wash with soap and water.
Ingestion	If swallowed, seek medical advice immediately and show this container or label.

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

Inhalation	Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system.
Skin contact	May cause irritation to skin.
Ingestion	Ingestion may cause nausea and vomiting.

SECTION 5: Firefighting measures

5.1. Extinguishing media

	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.
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5.3. Advice for firefighters

	In case of fire and/or explosion do not breathe fumes. Wear suitable respiratory equipment when necessary.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

	Adopt best Manual Handling considerations when handling, carrying and dispensing. Avoid contact with eyes.
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6.2. Environmental precautions

	Do not empty into drains; dispose of this material and its container in a safe way. Do not flush into surface water.
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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.
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6.4. Reference to other sections

	See section 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. Avoid contact with eyes.
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7.2. Conditions for safe storage, including any incompatibilities

	Keep away from sources of ignition - No smoking. Contact with combustible material may cause fire. Heat will increase pressure in sealed containers. Avoid contamination of food or feedstuffs.
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7.3. Specific end use(s)

	See section 1.2 for further information.
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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

	Occupational exposure controls.
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Exposure Limit Values

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

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: Safety glasses.
Skin protection - Hand protection	Wear: Chemical resistant gloves.
Respiratory protection	Do not breathe gas/fumes/vapor/spray. In case of insufficient ventilation, wear suitable respiratory equipment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

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9.1. Information on basic physical and chemical properties

State	Aerosol
Color	Clear
Odor	Characteristic
Odour 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	< 100 °C
Evaporation rate	No data available
Flammability limits	Not applicable.
Vapor pressure	No data available
Vapor density	No data available
Partition coefficient	No data available
Autoignition temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidising properties	No data available
Solubility	Slightly soluble in water

9.2. Other information

Bulk Density	0.9239 g/cm ³
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SECTION 10: Stability and reactivity

10.1. Reactivity

	No data available.
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10.2. Chemical stability

	Stable under normal conditions.
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10.3. Possibility of hazardous reactions

	Aerosol. Avoid contact with: Combustible materials.
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10.4. Conditions to avoid

	Avoid sparks, flames, heat and sources of ignition.
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10.5. Incompatible materials

	Strong oxidizing agents.
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10.6. Hazardous decomposition products

	Carbon oxides.
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	No Significant Hazard.
Skin corrosion/irritation	May cause irritation to skin.
Serious eye damage/irritation	Causes serious eye irritation.
Respiratory or skin sensitisation	May cause allergic reactions in susceptible people.

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11.1. Information on toxicological effects

Carcinogenicity	Not found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs, Volumes 1-112. Not listed in the National Toxicology Program (NTP) 13th 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.
Repeated or prolonged exposure	Avoid prolonged or repeated exposure.

11.1.4. Toxicological information

Isopropanol	Oral Rat LD50: 4396 mg/kg	
Pyrethrins	Oral Rat LD50: 87 mg/kg	Inhalation Rat LC50/4 h: 0.6 mg/l

SECTION 12: Ecological information

12.1. Toxicity

Pyrethrins	Daphnia EC50/48h: 0.216000 mg/l Rainbow trout LC50/96h: 0.244 mg/l	Algae EC50/72h: 4.9 mg/l
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12.2. Persistence and degradability

	Insoluble in water.
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12.3. Bioaccumulative potential

	No data available.
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Partition coefficient

	Prozap® LD-44Z Insect Fogger No data available
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SECTION 13: Disposal considerations

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. Follow label instructions.
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SECTION 14: Transport information

Hazard pictograms

	 
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14.1. UN number

	UN1950
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14.2. UN proper shipping name

	AEROSOLS (Pyrethrins)
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14.3. Transport hazard class(es)

DOT	2
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14.3. Transport hazard class(es)

Subsidiary risk IMDG	see SP63 2
Subsidiary risk IATA	see SP63 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	(D)

IMDG

EmS Code	F-D S-U
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Further information

	Product shipped under ORM-D exemption.
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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.
	All chemicals in this product are TSCA listed or excluded from listing on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory, TSCA - United States Toxic Substances Control Act Section 8(b) Inventory.
	US State Regulations: New Jersey Right-to-Know Hazardous Substance List: Pyrethrins, Piperonyl butoxide
	Pennsylvania Right-to-Know Hazardous Substance List: Pyrethrins and pyrethroids, Piperonyl butoxide, 2-Propanol.
	Rhode Island Right-to-Know Hazardous Substance List: Pyrethrins and pyrethroids, Piperonyl butoxide, Isopropanol.

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
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Further information

FIFRA Signal Word FIFRA Warning	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.
	CAUTION.
	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

Text of Hazard Statements in Section 3	<p>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</p>
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Further information

	<p>DISCLAIMER: The information and recommendations set forth herein ("Information") are presented in good faith and believed to be correct as of the date issued. No representation is made regarding the completeness or accuracy of the Information. Further, because of the many factors that affect the use of this product, the Information is supplied upon the condition that the person(s) receiving it will make their own determination regarding its suitability for their own unique purpose(s), prior to use.</p> <p>Except as expressly stated herein, NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, COURSE OF PERFORMANCE, USAGE OF TRADE, OR RESULTS TO BE OBTAINED BY USE OF THIS PRODUCT are made with respect to this product or use of this product. The product covered is furnished "as is" and only subject to the warranties herein provided, no liability is assumed resulting from the use of this product.</p>
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