

SAFETY DATA SHEET

according to 29 CFR 1910.1200 and GHS

Page 1/8

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 |
|----------------------------|----------------|

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; |
|-----------------------------|---|

2.2. Label elements

| | |
|-------------------|---|
| Hazard pictograms |  |
|-------------------|---|

Prozap® LD-44Z Insect Fogger

Revision 0
Revision date 2019-04-10

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. |
|-------------------|--|

Prozap® LD-44Z Insect Fogger

Revision 0
Revision date 2019-04-10

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. |
|--|---|

5.2. Special hazards arising from the substance or mixture

| | |
|--|--|
| | Aerosol. Heat will increase pressure in sealed containers. |
|--|--|

5.3. Advice for firefighters

| | |
|--|--|
| | In case of fire and/or explosion do not breathe fumes. Wear suitable respiratory equipment when necessary. |
|--|--|

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. |
|--|--|

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. |
|--|--|

6.3. Methods and material for containment and cleaning up

| | |
|--|--|
| | Absorb spillage to prevent material damage. Clean with detergents. Avoid solvents. |
|--|--|

6.4. Reference to other sections

| | |
|--|---|
| | See section 2, 8, and 13 for further information. |
|--|---|

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. |
|--|--|

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. |
|--|---|

7.3. Specific end use(s)

| | |
|--|--|
| | See section 1.2 for further information. |
|--|--|

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

| | |
|--|---------------------------------|
| | Occupational exposure controls. |
|--|---------------------------------|


Prozap® LD-44Z Insect Fogger

Revision 0
Revision date 2019-04-10

Exposure Limit Values

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

Prozap® LD-44Z Insect Fogger

Revision 0
Revision date 2019-04-10

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 |
|---------------------|--------------------------|

SECTION 10: Stability and reactivity

10.1. Reactivity

| | |
|--|--------------------|
| | No data available. |
|--|--------------------|

10.2. Chemical stability

| | |
|--|---------------------------------|
| | Stable under normal conditions. |
|--|---------------------------------|

10.3. Possibility of hazardous reactions

| | |
|--|---|
| | Aerosol. Avoid contact with: Combustible materials. |
|--|---|

10.4. Conditions to avoid

| | |
|--|---|
| | Avoid sparks, flames, heat and sources of ignition. |
|--|---|

10.5. Incompatible materials

| | |
|--|--------------------------|
| | Strong oxidizing agents. |
|--|--------------------------|

10.6. Hazardous decomposition products

| | |
|--|----------------|
| | Carbon oxides. |
|--|----------------|

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. |

Prozap® LD-44Z Insect Fogger

Revision 0
Revision date 2019-04-10

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 |
|------------|---|--------------------------|

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 |
|--|--|

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. |
|--|---|

SECTION 14: Transport information

Hazard pictograms

| | |
|--|--|
| | |
|--|--|

14.1. UN number

| | |
|--|--------|
| | UN1950 |
|--|--------|

14.2. UN proper shipping name

| | |
|--|-----------------------|
| | AEROSOLS (Pyrethrins) |
|--|-----------------------|

14.3. Transport hazard class(es)

| | |
|-----|---|
| DOT | 2 |
|-----|---|

Prozap® LD-44Z Insect Fogger

Revision 0
Revision date 2019-04-10

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 | - |
|---------------|---|

14.5. Environmental hazards

| | |
|-----------------------|----|
| Environmental hazards | No |
| Marine pollutant | No |

DOT

| | |
|-----------------|-----|
| Hazard ID | - |
| Tunnel Category | (D) |

IMDG

| | |
|----------|---------|
| EmS Code | F-D S-U |
|----------|---------|

Further information

| | |
|--|--|
| | Product shipped under ORM-D exemption. |
|--|--|

SECTION 15: Regulatory information

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

| | |
|--------------------|--|
| Regulations | <p>Hazard Communication Standard: 29 Code of Federal Regulations 1910.1200: Occupational Safety and Health Standards: Z: Toxic and Hazardous Substances: Hazard Communication.</p> <p>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.</p> <p>US State Regulations: New Jersey Right-to-Know Hazardous Substance List: Pyrethrins, Piperonyl butoxide</p> <p>Pennsylvania Right-to-Know Hazardous Substance List: Pyrethrins and pyrethroids, Piperonyl butoxide, 2-Propanol.</p> <p>Rhode Island Right-to-Know Hazardous Substance List: Pyrethrins and pyrethroids, Piperonyl butoxide, Isopropanol.</p> |
|--------------------|--|

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 |
|--------------|---|

Prozap® LD-44Z Insect Fogger

Revision 0
Revision date 2019-04-10

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> |
|--|---|

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> |
|--|--|