

Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)
Issue date: 12/13/2024 Revision date: 12/13/2024 Supersedes: 12/13/2024 Version: 4.0

SECTION 1 Identification

1.1. Product identifier

Product form : Mixture

Product name : Prozap® LD-44Z Insect Fogger

Product code : 1450010

1.2. Other means of identification

Part Number(s) : 1450010|1453510

1.3. Recommended use of the chemical and restrictions on use

Use of the substance/mixture : Insecticide

1.4. Supplier's details

Supplier

Neogen Corporation 620 Lesher Place Lansing, Michigan 48912 United States of America

T 800.234.5333

sds@neogen.com - https://www.neogen.com/

Manufacturer

Chem-Tech, Ltd., a Neogen Company

1006 Business Highway 5 Pleasantville, Iowa 50225

U.S.A.

1.5. Emergency phone number

Emergency 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)

SECTION 2 Hazard Identification

2.1. Classification of the substance or mixture

GHS US classification

Aerosol, Category 3 H229 Pressurized container; may burst if heated.

Serious eye damage/eye irritation, Category 2 H319 Causes serious eye irritation.

Hazardous to the aquatic environment — Acute Hazard, Category 2 H401 Toxic to aquatic life.

Hazardous to the aquatic environment — Chronic Hazard, Category 2 H411 Toxic to aquatic life with long lasting effects.

Full text of H statements : see section 16

2.2. Label elements

GHS US labeling

Hazard pictograms (GHS US)





Signal word (GHS US) : Warning

Hazard statements (GHS US) : H229 - Pressurized container; may burst if heated

H319 - Causes serious eye irritation

H401 - Toxic to aquatic life

H411 - Toxic to aquatic life with long lasting effects

Precautionary statements (GHS US) : P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No

smoking.

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P251 - Do not pierce or burn, even after use.

P264 - Wash hands, forearms and face thoroughly after handling.

P273 - Avoid release to the environment.

P280 - Wear protective gloves, protective clothing, eye protection, face protection, and hearing protection.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 - If eye irritation persists: Get medical advice or attention.

P391 - Collect spillage.

P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 122 °F (50 °C). P501 - Dispose of contents and/or container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulations.

2.3. Hazards associated with known or reasonably anticipated uses

No additional information available

2.4. Hazards not otherwise classified

Other hazards which do not result in classification

: Read the entire label and follow all use directions, restrictions,

and precautions.

2.5. Unknown acute toxicity

45% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral) 45% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)

SECTION 3 Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	GHS US classification
Isopropanol	CAS-No.: 67-63-0	15 – 25	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336 Aquatic Chronic 4, H413
Piperonyl butoxide	CAS-No.: 51-03-6	1 – 5	Aquatic Acute 1, H400 Aquatic Chronic 1, H410

Full text of hazard classes and H-statements : see section 16

SECTION 4 First aid measures

First-aid measures general

4.1. Description of necessary first-aid measures

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: Refer to product label and/or package insert for additional information. Follow label instructions.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact : Wash skin with plenty of water.

First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to

do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion : Call a poison center/doctor/physician if you feel unwell.

4.2. Most important symptoms/effects, acute and delayed

Symptoms/effects after inhalation : May cause drowsiness or dizziness.

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Symptoms/effects after skin contact

Symptoms/effects after eye contact

Symptoms/effects after ingestion

Symptoms/effects after eye contact

May cause eye irritation. Eye irritation.

4.3. Indication of immediate medical attention and special treatment needed, if necessary

Other medical advice or treatment : Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : DO NOT EXTINGUISH A LEAKING GAS FIRE UNLESS THE LEAK CAN BE STOPPED. Dry

chemical, CO2, or water spray or regular foam. Water spray. Dry powder. Foam. Carbon dioxide.

Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Specific hazards arising from the chemical

Fire hazard : Pressurized container: may burst if heated.

Explosion hazard : Explosion risk in case of fire. Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Special protective equipment and precautions for fire-fighters

Precautionary measures fire : Keep container tightly closed and away from heat, sparks and flame.

Firefighting instructions : Eliminate all ignition sources if safe to do so. Fight fire remotely due to the risk of explosion. Do

not enter fire area without proper protective equipment, including respiratory protection.

Protection during firefighting : Self-contained breathing apparatus. Do not attempt to take action without suitable protective

equipment. Complete protective clothing.

SECTION 6 Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Eliminate every possible source of ignition. Stop leak if safe to do so. Notify authorities if product

enters sewers or public waters. Absorb spillage to prevent material-damage.

For non-emergency personnel

Protective equipment : Wear recommended personal protective equipment.

Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes.

For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. Self-contained breathing

apparatus. For further information refer to section 8: "Exposure controls/personal protection".

Emergency procedures : Evacuate unnecessary personnel. Stop leak if safe to do so.

Environmental precautions : Avoid release to the environment. Avoid discharge to atmosphere.

6.2. Methods and materials for containment and cleaning up

For containment : Collect spillage. Contain any spills with dikes or absorbents to prevent migration and entry into

sewers or streams. Stop leak, if possible without risk.

Methods for cleaning up : Take up liquid spill into absorbent material.

Other information : Dispose of materials or solid residues at an authorized site.

For further information refer to section 13

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SECTION 7 Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Obtain special instructions before use. Use only outdoors or in a well-ventilated area. Avoid

contact with skin and eyes. Wear personal protective equipment. Refer to product label and/or

package insert for additional information. Follow label instructions.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the

product.

7.2. Conditions for safe storage, including incompatibilities

Technical measures : Use only non-sparking tools. Ground/bond container and receiving equipment.

Storage conditions : Keep only in original container. Keep away from heat, hot surfaces, sparks, open flames and

other ignition sources. No smoking. Keep container closed when not in use. Store in a well-ventilated place. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

Packaging materials : Store always product in container of same material as original container.

SECTION 8 Exposure controls/personal protection

8.1. Control parameters

Isopropanol (67-63-0)		
USA - ACGIH - Occupational Exposure Limits		
Local name	2-Propanol	
ACGIH® TLV® TWA	200 ppm	
ACGIH® TLV® STEL	400 ppm	
Remark (ACGIH)	TLV® Basis: Eye & URT irr; CNS impair. Notations: A4 (Not classifiable as a Human Carcinogen); BEI	
Regulatory reference	ACGIH 2024	
USA - ACGIH - Biological Exposure Indices		
Local name	2-Propanol	
BEI	40 mg/l Parameter: Acetone - Medium: urine - Sampling time: End of shift at end of workweek - Notations: B, Ns	
Regulatory reference	ACGIH 2024	
USA - OSHA - Occupational Exposure Limits		
Local name	Isopropyl alcohol	
OSHA PEL TWA	980 mg/m³	
	400 ppm	
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1	

8.2. Appropriate engineering controls

Appropriate engineering controls : Provide local exhaust or general room ventilation. Ensure good ventilation of the work station.

Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures, such as personal protective equipment

Personal protective equipment:

Wear recommended personal protective equipment.

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Hand protection:

Protective gloves

Eye protection:

Safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

Where exposure through inhalation may occur from use, respiratory protection equipment is recommended

Personal protective equipment symbol(s):







Other information:

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

SECTION 9 Physical and chemical properties

9.1. Basic physical and chemical properties

Physical state : Liquid

Appearance : Liquid under pressure.
Color : Colorless Light yellow
Odor : Characteristic mild
Odor threshold : No data available

pH : 7.6

Melting point : Not applicable
Freezing point : No data available
Boiling point : No data available
Flash point : No data available
Flammability (solid, gas) : Not flammable.
Vapor pressure : No data available
Relative vapor density at 20°C : No data available

Relative density 0.925 Density 7.71 lb/gal Solubility No data available Partition coefficient n-octanol/water (Log Pow) : No data available Auto-ignition temperature : No data available Decomposition temperature : No data available Viscosity, kinematic : 1.005 mm²/s **Explosion limits** No data available Particle characteristics No data available

9.2. Data relevant with regard to physical hazard classes (supplemental)

No additional information available

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SECTION 10 Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Pressurized container: may burst if heated.

10.3. Possibility of hazardous reactions

May mass explode in fire. Heating may cause a fire or explosion.

10.4. Conditions to avoid

High temperature. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

10.5. Incompatible materials

Combustible materials.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11 Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

Prozap® LD	-44Z Insec	t Fogger
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Unknown acute toxicity (GHS US)

45% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)

45% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)

Skin corrosion/irritation : Not classified

pH: 7.6

Serious eye damage/irritation : Causes serious eye irritation.

pH: 7.6

Respiratory or skin sensitization : Not classified Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Piperonyl	butoxide	(51-03-6)
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IARC group 3 - Not classifiable

Isopropanol (67-63-0)

IARC group 3 - Not classifiable

Reproductive toxicity : Not classified STOT-single exposure : Not classified STOT-repeated exposure : Not classified Aspiration hazard : Not classified

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Prozap® LD-44Z Insect Fogger	
Viscosity, kinematic	1.005 mm ² /s
Symptoms/effects after skin contact : Symptoms/effects after eye contact :	May cause drowsiness or dizziness. None under normal conditions. May cause eye irritation. Eye irritation. May cause irritation to the digestive tract.

SECTION 12 Ecological information

12.1. Ecotoxicity

Ecology - general : Toxic to aquatic life. Toxic to aquatic life with long lasting effects.

Hazardous to the aquatic environment, short–term : Toxic to aquatic life.

acute)

Hazardous to the aquatic environment, long-term : Toxic to aquatic life with long lasting effects.

(chronic)

Piperonyl butoxide (51-03-6)		
LC50 - Fish [1]	3.94 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Cyprinodon variegatus, Flow-through system, Fresh water, Experimental value, GLP)	
EC50 - Crustacea [1]	510 μg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Flow-through system, Fresh water, Experimental value, GLP)	
ErC50 algae	3.89 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Experimental value, GLP)	
NOEC chronic crustacea	0.03 mg/l	
Isopropanol (67-63-0)		
LC50 - Fish [1]	9640 – 10000 mg/l (Equivalent or similar to OECD 203, 96 h, Pimephales promelas, Flow-through system, Fresh water, Experimental value, Lethal)	
LC50 - Fish [2]	9640 mg/l Test organisms (species): Pimephales promelas	

12.2. Persistence and degradability

Prozap® LD-44Z Insect Fogger		
Persistence and degradability	Not rapidly degradable	
Piperonyl butoxide (51-03-6)		
Persistence and degradability	Not readily biodegradable in water.	
Isopropanol (67-63-0)		
Persistence and degradability	Biodegradable in the soil, Biodegradable in the soil under anaerobic conditions, Readily biodegradable in water.	
Biochemical oxygen demand (BOD)	1.19 g O ₂ /g substance	
Chemical oxygen demand (COD)	2.23 g O ₂ /g substance	
ThOD	2.4 g O ₂ /g substance	

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12.3. Bioaccumulative potential

Piperonyl butoxide (51-03-6)		
BCF - Fish [1]	91 – 380 (OECD 305: Bioconcentration: Flow-Through Fish Test, 28 day(s), Lepomis macrochirus, Flow-through system, Fresh water, Experimental value, GLP)	
Partition coefficient n-octanol/water (Log Pow)	4.8 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 20 °C)	
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).	
Isopropanol (67-63-0)		
BCF - Fish [1]	1015 (BCFBAF v3.01, Estimated value)	
Partition coefficient n-octanol/water (Log Pow)	0.05 (Weight of evidence approach, 25 °C)	
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).	

12.4. Mobility in soil

Piperonyl butoxide (51-03-6)		
Surface tension	35.79 mN/m (25 °C, EU Method A.5: Surface tension)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	3.4 (log Koc, Calculated value)	
Ecology - soil	Low potential for mobility in soil.	
Isopropanol (67-63-0)		
Surface tension	No data available (test not performed)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	0.185 – 0.541 (log Koc, SRC PCKOCWIN v2.0, Calculated value)	
Ecology - soil	Highly mobile in soil.	

12.5. Other adverse effects

Ozone : Not classified

Other adverse effects : This pesticide is toxic to aquatic organisms, including fish and invertebrates.

Fluorinated greenhouse gases : No

SECTION 13 Disposal considerations

Regional waste regulation : Disposal must be done according to official regulations.

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

Sewage disposal recommendations : Disposal must be done according to official regulations.

Product/Packaging disposal recommendations : Disposal must be done according to official regulations.

Additional information : Do not re-use empty containers. Observe all applicable

: Do not re-use empty containers. Observe all applicable Federal, Provincial, and State regulations and local/municipal ordinances regarding disposal. Refer to product label and/or package insert for additional information. Follow label instructions.

SECTION 14 Transport information

In accordance with DOT / TDG / IMDG / IATA

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DOT	TDG	IMDG	IATA
14.1. UN number			
UN1950	UN1950	1950	1950
14.2. Proper Shipping Name			
Aerosols	AEROSOLS	AEROSOLS	Aerosols, non-flammable
14.3. Transport hazard class(es	5)		
2.2	2.2	2.2	2.2
NON-FLAMMABLE GAS	2	2 2	2
14.4. Packing group	14.4. Packing group		
Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards			
Dangerous for the environment: Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes Marine pollutant: Yes	Dangerous for the environment: Yes
No supplementary information available			

14.6. Transport in bulk

Not applicable

14.7. Special precautions for user

DOT

UN-No. (DOT) : UN1950
DOT Packaging Exceptions (49 CFR 173.xxx) : 306
DOT Quantity Limitations Passenger aircraft/rail (49 : 75 kg

CFR 173.27)

DOT Quantity Limitations Cargo aircraft only (49 : 150 kg

CFR 175.75)

DOT Vessel Stowage Location : A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a

passenger vessel.

DOT Vessel Stowage Other : 25 - Shade from radiant heat,87 - Stow "separated from" Class 1 (explosives) except Division

14,126 - Segregation same as for Class 9, miscellaneous hazardous materials

TDG

UN-No. (TDG) : UN1950

TDG Special Provisions : 80 - Despite section 1.17 of Part 1 (Coming into Force, Repeal, Interpretation, General

Provisions and Special Cases), a person must not offer for transport or transport these dangerous goods unless they are in a means of containment that is in compliance with the requirements for transporting gases in Part 5 (Means of Containment),107 - (1) These Regulations, except for Parts 1 and 2, do not apply to the offering for transport, handling or transport of UN1950, AEROSOLS, and UN2037, GAS CARTRIDGES, that contain dangerous goods included in Class 2.1 or Class 2.2 and that are transported on a road vehicle, a railway vehicle or a vessel on a domestic voyage, if the aerosols or gas cartridges have a capacity less than or equal to 50 mL.

(2) Subsection (1) does not apply to self-defence spray.

Explosive Limit and Limited Quantity Index

Excepted quantities (TDG)
Passenger Carrying Road Vehicle or Passenger

: E0 : 75 L

: 1L

Carrying Railway Vehicle Index

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Emergency Response Guide (ERG) Number : 126

IMDG

Special provision (IMDG) : 63, 190, 277, 327, 344, 381, 959

Limited quantities (IMDG) : SP277 Excepted quantities (IMDG) : E0

Packing instructions (IMDG) : P207, LP200
Packing provisions (IMDG) : PP87, L2

EmS-No. (Fire) : F-D - FIRE SCHEDULE Delta - FLAMMABLE GASES

EmS-No. (Spillage) : S-U - SPILLAGE SCHEDULE Uniform - GASES (FLAMMABLE, TOXIC OR CORROSIVE)

Stowage category (IMDG) : None
Stowage and handling (IMDG) : SW1, SW22
Segregation (IMDG) : SG69

IATA

Special provision (IATA) : A98, A145, A167, A802

PCA Excepted quantities (IATA) : E0
PCA Limited quantities (IATA) : Y203
PCA limited quantity max net quantity (IATA) : 30kgG
PCA packing instructions (IATA) : 203
PCA max net quantity (IATA) : 75kg
CAO packing instructions (IATA) : 203
CAO max net quantity (IATA) : 150kg
ERG code (IATA) : 2L

SECTION 15 Regulatory information

15.1. Federal regulations

All components of this product are exempt or present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

Piperonyl butoxide	CAS-No. 51-03-6	1 – 5%
Isopropanol	CAS-No. 67-63-0	15 – 25%

Pyrethrins (8003-34-7)	
CERCLA RQ	1 lb

Diethanolamine (111-42-2)		
Listed on EPA Hazardous Air Pollutant (HAPS)		
CERCLA RQ	100 lb	

FIFRA Labelling	
EPA Registration Number	47000-145

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.

FIFRA Signal Word	Caution

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FIFRA Labelling		
FIFRA Precautionary Statement	Keep out of reach of children. Hazards to humans and domestic animals. Harmful if swallowed. Harmful if absorbed through skin. Avoid contact with skin, eyes and clothing.	

15.2. International regulations

No additional information available

15.3. State regulations



This product can expose you to Diethanolamine, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

SECTION 16 Other information

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Full text of hazard classes and H-statements	
H225	Highly flammable liquid and vapor
H229	Pressurized container; may burst if heated
H319	Causes serious eye irritation
H336	May cause drowsiness or dizziness
H400	Very toxic to aquatic life
H401	Toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H411	Toxic to aquatic life with long lasting effects
H413	May cause long lasting harmful effects to aquatic life

Safety Data Sheet (SDS), USA

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.