



SAFETY DATA SHEET
according to 29 CFR 1910.1200 and GHS

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TurboCide® Advanced Fogging Products Methoprene IGR

Revision 0
Revision date 2019-01-11

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

1.1. Product identifier

Product name	TurboCide® Advanced Fogging Products Methoprene IGR
Product code	1904510

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 Leshar 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	Compressed gas: H280; Asp. Tox. 1: H304; Skin Irrit. 2: H315;
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2.2. Label elements

Hazard pictograms



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2.2. Label elements

Signal Word	Danger
Hazard Statement	Compressed gas: H280 - Contains gas under pressure; may explode if heated. Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways. Skin Irrit. 2: H315 - Causes skin irritation.
Precautionary Statement: Prevention	P264 - Wash thoroughly after handling. P280 - Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary Statement: Response	P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER/doctor/ . P302+P352 - IF ON SKIN: Wash with plenty of water/ . P321 - Specific treatment (see on this label). P331 - Do NOT induce vomiting. P332+P313 - If skin irritation occurs: Get medical advice/attention.
Precautionary Statement: Storage	P405 - Store locked up. 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
Distillates (petroleum), hydrotreated light.		64742-47-8			10 - 20%	Asp. Tox. 1: H304; STOT SE 3: H336;
Carbon Dioxide		124-38-9			70 - 80%	Compressed gas: H280;
(S)-Methoprene		65733-16-6			0.5 - 1%	Skin Irrit. 2: H315; STOT SE 3: H335; Aquatic Acute 1: H400;
Butyl hydroxytoluene (BHT) (Butylated hydroxytoluene (BHT))		128-37-0	204-881-4		0 - 0.5%	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. Seek medical attention if irritation or symptoms persist.
Eye contact	Rinse immediately with plenty of water. Contact lenses should be removed. Seek medical attention if irritation or symptoms persist.
Skin contact	Wash with soap and water. Seek medical attention if irritation or symptoms persist.
Ingestion	Aspiration hazard. 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.
Eye contact	May cause eye irritation.
Skin contact	May cause irritation to skin.
Ingestion	ASPIRATION HAZARD. Ingestion may cause nausea and vomiting.

SECTION 5: Firefighting measures

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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.

Exposure Limit Values


Carbon Dioxide	ACGIH TLV TWA: 5000 ppm	ACGIH TLV STEL: 30000 ppm
	Notations: -	OSHA PEL 8hr TWA ppm: 5000
	OSHA PEL 8hr TWA mg m3: 9000	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

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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	Use as appropriate:.. 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

State	Liquid
Color	Clear/Colorless
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	83 °C
Evaporation rate	No data available
Flammability limits	Not applicable.
Vapor pressure	No data available
Vapor density	No data available
Relative density	No data available
Partition coefficient	No data available
Autoignition temperature	No data available
Viscosity	< 10 mPas (Cone & Plate)
Explosive properties	No data available
Oxidising properties	No data available
Solubility	No data available

9.2. Other information

VOC (Volatile organic compounds)	No data available
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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.

10.4. Conditions to avoid

Keep away from direct sunlight.

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	Causes skin irritation.
Serious eye damage/irritation	May cause irritation to eyes.
Respiratory or skin sensitisation	May cause allergic reactions in susceptible people.
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.
Aspiration hazard	Potential for aspiration if swallowed.
Repeated or prolonged exposure	Avoid prolonged or repeated exposure.

11.1.3. Hazard Information

Gaseous carbon dioxide is an asphyxiant. Inhalation may cause sweating, headache, rapid breathing, increased heartbeat, shortness of breath, dizziness, mental depression, visual disturbance, or shaking.

11.1.4. Toxicological information

TurboCide® Advanced Fogging Products Methoprene IGR	Oral Rat LD50: 28571.43	Dermal Rabbit LD50: 42857.14
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SECTION 12: Ecological information

12.1. Toxicity

No data available

12.2. Persistence and degradability

(s)-Methoprene degrades rapidly in sunlight, both in water and on inert surfaces. The pesticide also is metabolized rapidly in soil and does not leach. Thus, it should not persist in soil or contaminate ground water. Evaporates readily.

12.3. Bioaccumulative potential

No data available.

Partition coefficient

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Partition coefficient	
	TurboCide® Advanced Fogging Products Methoprene IGR No data available

12.4. Mobility in soil	
	Rapidly metabolized in soil under both aerobic and anaerobic conditions (half-life 10-14 days).

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	
	UN1968

14.2. UN proper shipping name	
	INSECTICIDE GAS, N.O.S. (S-Methoprene)

14.3. Transport hazard class(es)	
DOT	2
Subsidiary risk	-
IMDG	2.2
Subsidiary risk	-
IATA	2.2
Subsidiary risk	-

14.4. Packing group	
Packing group	-

14.5. Environmental hazards	
Environmental hazards	No
Marine pollutant	No

DOT	
Hazard ID	20
Tunnel Category	(C/E)

IMDG	
EmS Code	F-C S-V

IATA	
Packing Instruction (Cargo)	200
Maximum quantity	150 kg

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IATA

Maximum quantity 75 kg

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:
This material contains no reportable components.

Pennsylvania Right-to-Know Hazardous Substance List:
This material contains no reportable components.

Rhode Island Right-to-Know Hazardous Substance List: This material contains no reportable components.

Inventories

Ingredient	TSCA	MA	SARA313	CALPROP65	CWA307	CAA112	CWA311	SARA302	SARA304
Carbon Dioxide (Carbon dioxide)	Y	N	N	N	N	N	N	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

Hazards to humans and domestic animals. Harmful if swallowed or if inhaled. Causes moderate eye irritation. Harmful if absorbed through the skin. Avoid contact with eyes, skin or clothing. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse.

SECTION 16: Other information**Other information****Text of Hazard Statements in Section 3**

Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways.
STOT SE 3: H336 - May cause drowsiness or dizziness.
Compressed gas: H280 - Contains gas under pressure; may explode if heated.
Skin Irrit. 2: H315 - Causes skin irritation.
STOT SE 3: H335 - May cause respiratory irritation.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.

Further information

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

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Further information

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.

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