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Version Number: 1.1

1. Identification

Product Identifiers

Product Name: Turbo Fog Aerosol Smoke Agent

Product Number: T-810300

Recommended Use & Restrictions on Use

Artificial fog/smoke generator for multiple applications

Manufacturer/Supplier

Kingscote Chemicals, Inc.
3334 South Tech Blvd.
Miamisburg, OH 45342
U.S.A.

Emergency Telephone Number

Company Telephone Number: (937) 886-9100

Emergency Telephone (24 hr): INFOTRAC (800) 535-5053 (North America)
+1-352-323-3500 (International)

2. Hazards Identification

Classification

Category 3	Specific target organ toxicity (single exposure)
Category 1	Aspiration toxicity
Category 2	Flammable aerosols

Signal Word

Danger

Hazard Statements

May cause drowsiness or dizziness

May be fatal if swallowed and enters airways

Flammable aerosol



Precautionary Statements

Avoid breathing dust/fume/gas/mist/vapors/spray

Use only outdoors or in a well-ventilated area

Keep away from heat/sparks/open flames/hot surfaces. — No smoking

Do not spray on an open flame or other ignition source

Pressurized container: Do not pierce or burn, even after use
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
 Get medical advice / attention
 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
 Do not induce vomiting
 Store locked up
 Store in a well-ventilated place. Keep container tightly closed
 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F
 Dispose of contents/container to an approved waste disposal plant

Hazard Not Otherwise Classified (HNOC)

May be harmful in contact with skin

3. Composition/Information on Ingredients

Chemical Name	CAS #	Weight %
Proprietary Mixture of Hydro-treated and Hydrocracked Petroleum Distillates	Proprietary	>95
Trade Secret	Proprietary	1-5
Trade Secret	Proprietary	1-5

**If Chemical Name/CAS # is "proprietary" and/or Weight % is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.*

4. First-Aid Measures

First-Aid Measures

Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists: Get medical advice/attention.
Skin Contact	Wash thoroughly with soap and water until no traces of the chemical remain. Take off contaminated clothing and wash it before reuse. Seek medical attention if irritation develops.
Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, give artificial respiration. Get medical attention.
Ingestion	Call a poison control center or physician immediately. Rinse mouth. Do not induce vomiting.

Most Important Symptoms and Effects

Symptoms	May be irritating to skin and eyes. May be irritating to respiratory tract. May be harmful or fatal if swallowed and enters airways.
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Indication of Any Immediate Medical Attention and Special Treatment Needed

Notes to Physician	Medical conditions aggravated by overexposure: Repeated or prolonged contact with spray or mist may produce chronic eye irritation and severe skin irritation. Repeated skin exposure can produce local skin destruction or dermatitis.
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5. Fire-Fighting Measures

Suitable Extinguishing Media

Water spray (fog). Foam. Dry chemical. Carbon dioxide (CO₂).

Unsuitable Extinguishing Media

Do not use water jet.

Specific Hazards Arising from the Chemical

This product is a flammable aerosol.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures

Personal Precautions	Use personal protective equipment as required.
Environmental Precautions	Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12 and Section 13.

Methods and Material for Containment and Cleaning Up

Methods for Containment	Prevent further leakage or spillage if safe to do so.
Methods for Cleaning Up	Contain and collect with an inert absorbent and place into an appropriate container for disposal.

7. Handling and Storage

Precautions for Safe Handling

Advice on Safe Handling	Handle in accordance with good industrial hygiene and safety practice. Use personal protection recommended in Section 8. Avoid contact with skin, eyes or clothing. Avoid breathing dust, fume, gas, mist, vapors, or spray. Use only outdoors or in a well-ventilated area. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use.
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Conditions for Safe Storage, Including Incompatibilities

Storage Conditions	Keep container tightly closed and store in a cool, dry and well-ventilated place. Store locked up. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122°F. Keep/store only in original container. NFPA Class IIIB storage.
Incompatible Materials	Strong oxidizers.

8. Exposure Controls / Personal Protection

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Proprietary Mixture of Hydro-treated and Hydrocracked Petroleum Distillates	TWA: 200 ppm. 8 hours.	-	-
Trade Secret	TWA: 1000 ppm	TWA: 1000 ppm TWA: 1800 mg/m ³	IDLH: 2100 ppm TWA: 1000 ppm TWA: 1800 mg/m ³
Trade Secret	TWA: 1000 ppm	-	TWA: 800 ppm TWA: 1900 mg/m ³

Engineering Controls

Ensure adequate ventilation, especially in confined areas. Eyewash stations. Showers.

Individual Protection Measures, Such as Personal Protective Equipment:

Eye/Face Protection	Chemical safety goggles/faceshield.
Skin & Body Protection	Protective gloves recommended when prolonged contact cannot be avoided. The following glove materials are acceptable: Polyethylene, Polyvinyl Chloride (PVC), Neoprene, Nitrile, Polyvinyl Alcohol, Viton. Suitable protective clothing.
Respiratory Protection	Respiratory protection usually not needed unless product is heated or misted. Use only NIOSH-certified respiratory protection.
Hygiene Measures	Handle in accordance with good industrial hygiene and safety practice.

9. Physical and Chemical Properties

Information on Basic Physical and Chemical Properties

Physical State	Aerosol	Odor	Mild petroleum
Appearance	Aerosolized Mist	Odor Threshold	Not determined
Color	Not determined		
Property	Values		
pH	Not determined		
Melting/Freezing Point	Not determined		
Boiling Point/Range	252°C / 485°F		
Flash Point	121°C / 250°F (closed cup)		
Evaporation Rate	1000x slower (Ethyl Ether=1)		
Flammability (solid, gas)	Not determined		
Upper Flammability Limits	Not determined		
Lower Flammability Limits	Not determined		
Vapor Pressure	<0.08 mm Hg @ 20°C		
Vapor Density	5+ (Air=1)		
Relative Density	Not determined		
Specific Gravity	0.86		
Solubility	Not determined		

Partition Coefficient	Not determined
Auto-ignition Temperature	Not determined
Decomposition Temperature	Not determined
Viscosity	Not determined

10. Stability and Reactivity

Reactivity

Not reactive under normal conditions.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Conditions to Avoid

Avoid heat, sparks, open flames and other ignition sources. Keep separated from incompatible substances. Keep out of reach of children.

Incompatible Materials

Not determined

Hazardous Decomposition Products

Carbon monoxide. Carbon dioxide (CO₂). Asphyxiates.

11: Toxicological Information

Information on Likely Routes of Exposure

Inhalation	May cause drowsiness or dizziness.
Ingestion	May be fatal if swallowed and enters airways.
Skin Contact	May be harmful in contact with skin.
Eye Contact	Avoid contact with eyes.

Delayed, Immediate, and Chronic Effects from Short- and Long-Term Exposure

May cause drowsiness or dizziness. May be fatal if swallowed and enters airways.

Numerical Measures of Toxicity

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Proprietary Mixture of Hydrotreated and Hydrocracked Petroleum Distillates	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 5.2 mg/L (Rat) 4 h
Trade Secret	-	-	= 658 mg/L (Rat) 4 h
Trade Secret	-	-	= 658 mg/L (Rat) 4 h

Symptoms Associated with Exposure

See Section 4 of this SDS for symptoms.

Carcinogenicity

NTP	None
IARC	None
OSHA	None

12. Ecological Information

Ecotoxicity

This product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Component Information

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Proprietary Mixture of Hydrotreated and Hydrocracked Petroleum Distillates	-	45: 96 h Pimephales promelas mg/L LC50 flow-through 2.2: 96 h Lepomis macrochirus mg/L LC50 static 2.4: 96 h Oncorhynchus mykiss mg/L LC50 static	-
Trade Secret	-	10000: 96 h Lepomis macrochirus mg/L LC50	-

Persistence/Degradability

Not determined

Bioaccumulation

Not determined

Mobility

Chemical Name	Partition Coefficient
Trade Secret	2.3
Trade Secret	2.88

Other Adverse Effects

Not determined

13. Disposal Considerations

Waste Disposal Methods

Dispose of in accordance with federal, state, and local regulations.

Contaminated Packaging

Do not re-use empty containers. Dispose of containers in accordance with federal, state, and local regulations.

14. Transport Information

Note

See current shipping paper for most up-to-date shipping information, including exemptions and special circumstances.

DOT	UN1950 – Aerosols; Hazard Class 2.1
IATA	UN1950 – Aerosols, flammable; Hazard Class 2.1
IMDG	UN1950 – Aerosols; Hazard Class 2.1

15: Regulatory Information

International Inventories

Toxic Substances Control Act Listed

U.S. Federal Regulations

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

U.S. State Regulations

California Proposition 65 This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Trade Secret	X	X	X
Trade Secret	X	X	X

16: Other Information**HMIS**

Health Hazards	Flammability	Instability	Special Hazards
1	1	0	Not determined

NFPA

Health Hazards	Flammability	Physical Hazards	Personal Protection
1	1	0	X

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Revision Note	Content Review

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet