



Entech Fog-3

Safety Data Sheet

Date of issue: 12/14/2017

Version: 1.0

Product name

: Entech Fog-3

SECTION 1: Identification

1.1. Identification

1.3. Details of the supplier of the safety data sheet

Recommended use

: Pesticides

Entech Systems Corporation
607 Maria Street
Kenner, LA 70062
T 504-469-6541

1.4. Emergency telephone number

Emergency number

: For medical emergencies or pesticide incidents: 800-222-1222 (Poison Control Center). For Transportation spills: 800-424-9300 (Chemtrec), 703-527-3887 (Chemtrec International)

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS-US classification

Flam. Liq. 4

Asp. Tox. 1

Aquatic Acute 3

Aquatic Chronic 3

H227 -

Combustible liquid

H304 -

May be fatal if swallowed and enters airways

H402 -

Harmful to aquatic life

H412 -

Harmful 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)

:



GHS08

Signal word (GHS-US)

: Danger

Contains

: Petroleum distillates, hydrotreated light

Hazard statements (GHS-US)

: H227 - Combustible liquid
H304 - May be fatal if swallowed and enters airways
H402 - Harmful to aquatic life
H412 - Harmful to aquatic life with long lasting effects

Precautionary statements (GHS-US)

: P210 - Keep away from heat, hot surfaces, open flames, sparks. -No smoking
P273 - Avoid release to the environment
P280 - Wear eye protection, protective clothing, protective gloves
P301+P310 - If swallowed: Immediately call a POISON CENTER
P331 - Do NOT induce vomiting
P370+P378 - In case of fire: Use media other than water to extinguish
P403+P235 - Store in a well-ventilated place. Keep cool
P405 - Store locked up
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

2.3. Other hazards

Other hazards not contributing to the classification

: None.

2.4. Unknown acute toxicity (GHS US)

None known

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

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3.2. Mixtures

Name	Product identifier	%	GHS-US classification
Petroleum distillates, hydrotreated light	(CAS-No.) 64742-47-8	97.9	Flam. Liq. 3, H226 Asp. Tox. 1, H304
Piperonyl butoxide	(CAS-No.) 51-03-6	1.5	Aquatic Chronic 1, H410
Pyrethrum	(CAS-No.) 8003-34-7	0.6	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

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

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : If you feel unwell, seek medical advice (show the label where possible).
 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 eyes with water as a precaution.
 First-aid measures after ingestion : Do not induce vomiting. Call a physician immediately.

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

Symptoms/effects after ingestion : Risk of lung edema.

4.3. Indication of any immediate medical attention and special treatment needed

Not applicable.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.
 Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Combustible liquid.
 Reactivity : The product is non-reactive under normal conditions of use, storage and transport.

5.3. Advice for firefighters

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

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : No open flames, no sparks, and no smoking. Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Notify authorities if product enters sewers or public waters. In case of large spillages: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Shovel or sweep up and put in a closed container for disposal. Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal.

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

6.4. Reference to other sections

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 : Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Wear personal protective equipment.
- 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 any incompatibilities

- Storage conditions : Store in a well-ventilated place. Keep cool. Store locked up.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Pyrethrum (8003-34-7)		
ACGIH	ACGIH TWA (mg/m ³)	5 mg/m ³
OSHA	OSHA PEL (TWA) (mg/m ³)	5 mg/m ³
Piperonyl butoxide (51-03-6)		
Not applicable		
Petroleum distillates, hydrotreated light (64742-47-8)		
Not applicable		

8.2. Exposure controls

- Appropriate engineering controls : Ensure good ventilation of the work station.
- Hand protection : Protective gloves.
- Eye protection : Safety glasses.
- Skin and body protection : Wear suitable protective clothing.
- Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment.
- Environmental exposure controls : Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

- Physical state : Liquid
- Appearance : Liquid.
- Color : Colorless
- Odor : petroleum
- Odor threshold : No data available
- pH : No data available
- Melting point : Not applicable
- Freezing point : No data available
- Boiling point : No data available
- Flash point : 64 °C
- Relative evaporation rate (butyl acetate=1) : No data available
- Flammability (solid, gas) : No data available
- Explosion limits : No data available
- Explosive properties : No data available
- Oxidizing properties : No data available
- Vapor pressure : No data available
- Relative density : 0.807
- Relative vapor density at 20 °C : No data available
- Solubility : Insoluble.
- Log Pow : No data available
- Auto-ignition temperature : No data available
- Decomposition temperature : No data available

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Viscosity	: No data available
Viscosity, kinematic	: 2.28 cSt
Viscosity, dynamic	: No data available

9.2. Other information

No additional information available

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

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. On combustion, forms: carbon oxides (CO and CO₂).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Notclassified

Pyrethrum (8003-34-7)	
LD50 oral rat	200 mg/kg
LC50 inhalation rat (mg/l)	3.4 mg/l/4h
ATE US (oral)	200 mg/kg body weight
ATE US (dermal)	1100 mg/kg body weight
ATE US (gases)	4500 ppmV/4h
ATE US (vapors)	3.4 mg/l/4h
ATE US (dust, mist)	3.4 mg/l/4h
Piperonyl butoxide (51-03-6)	
LD50 oral rat	4570 mg/kg
ATE US (oral)	4570 mg/kg body weight
Petroleum distillates, hydrotreated light (64742-47-8)	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 inhalation rat (mg/l)	> 5.2 mg/l/4h

Skin corrosion/irritation	: Notclassified
Serious eye damage/irritation	: Notclassified
Respiratory or skin sensitization	: Notclassified
Germ cell mutagenicity	: Notclassified
Carcinogenicity	: Notclassified

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

Reproductive toxicity	: Not classified
Specific target organ toxicity –single exposure	: Notclassified

Specific target organ toxicity – repeated exposure	: Not classified
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Aspiration hazard : May be fatal if swallowed and enters airways.

Symptoms/effects after ingestion : Risk of lung edema.

SECTION 12: Ecological information

12.1. Toxicity

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

Pyrethrum (8003-34-7)	
LC50 fish 1	0.054 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)
LC50 fish 2	0.0031 - 0.0038 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [flow-through])
Petroleum distillates, hydrotreated light (64742-47-8)	
LC50 fish 1	45 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
LC50 fish 2	2.2 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])

12.2. Persistence and degradability

Entech Fog-3	
Persistence and degradability	Not established.

12.3. Bio accumulative potential

Entech Fog-3	
Bio accumulative potential	Not established.
Petroleum distillates, hydrotreated light (64742-47-8)	
BCF fish 1	61 - 159

12.4. Mobility in soil

Entech Fog-3	
Ecology - soil	Not established.

12.5. Other adverse effects

Effect on global warming : Not established

13.1. Waste treatment methods

SECTION 13: Disposal considerations

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

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

SECTION 14: Transport information

	14.1 UN Number	14.2 UN Proper Shipping Name	14.3 Hazard Class(s)	14.4 Packing Group	14.5 Environmental Hazards
US DOT	NA1993	Combustible Liquid, n.o.s. (Distillates (petroleum), hydrotreated light) *	Combustible Liquid	III	RQ 333.3 lbs. (Pyrethrins)
Canadian TDG	None	Not Regulated	None	None	Not applicable
EU ADR/RID	UN3082	Environmentally Hazardous Substance, Liquid, n.o.s. (Pyrethrins)	9	III	Marine Pollutant
IMDG	UN3082	Environmentally Hazardous Substance, Liquid, n.o.s. (Pyrethrins)	9	III	Marine Pollutant
IATA/ICAO	UN3082	Environmentally Hazardous Substance, Liquid, n.o.s. (Pyrethrins)	9	III	Marine Pollutant

*Excepted from HazMat in Non-Bulk Packaging

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14.6. Special Precautions for user

Not Applicable

14.7. Transportation in Bulk

According to Annex II of MARPOL 73/78 and the IBC Code: Not Applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

Entech Fog-3		
SARA Section 311/312 Hazard Classes		Physical hazard - Flammable (gases, aerosols, liquids, or solids) Health hazard - Aspiration hazard
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%
Pyrethrum (8003-34-7)		
CERCLA RQ	1 lb listed under Pyrethrins	
Piperonyl butoxide (51-03-6)		
Listed on the United States TSCA (Toxic Substances Control Act) inventory		
SARA Section 313 - Emission Reporting	1 %	
Petroleum distillates, hydrotreated light (64742-47-8)		
Listed on the United States TSCA (Toxic Substances Control Act) inventory		

15.2. International regulations

National regulations

Entech Fog-3	
All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory	
Pyrethrum (8003-34-7)	
Listed on the AICS (Australian Inventory of Chemical Substances)	
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)	
Listed on the Korean ECL (Existing Chemicals List)	
Listed on NZIoC (New Zealand Inventory of Chemicals)	
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)	
Listed on INSQ (Mexican National Inventory of Chemical Substances)	
Listed on TCSI (Taiwan Chemical Substance Inventory)	
Piperonyl butoxide (51-03-6)	
Listed on the AICS (Australian Inventory of Chemical Substances)	
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)	
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory	
Listed on the Japanese ISHL (Industrial Safety and Health Law)	
Listed on the Korean ECL (Existing Chemicals List)	
Listed on NZIoC (New Zealand Inventory of Chemicals)	
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)	
Listed on INSQ (Mexican National Inventory of Chemical Substances)	
Listed on CIGR (Turkish Inventory and Control of Chemicals)	
Listed on the TCSI (Taiwan Chemical Substance Inventory)	
Petroleum distillates, hydrotreated light (64742-47-8)	
Listed on the AICS (Australian Inventory of Chemical Substances)	
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)	
Listed on the Korean ECL (Existing Chemicals List)	
Listed on NZIoC (New Zealand Inventory of Chemicals)	
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)	
Listed on INSQ (Mexican National Inventory of Chemical Substances)	
Listed on CIGR (Turkish Inventory and Control of Chemicals)	
Listed on the TCSI (Taiwan Chemical Substance Inventory)	

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15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

Pyrethrum (8003-34-7)

U.S. - Massachusetts - Right To Know List
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List
U.S. - Pennsylvania - RTK (Right to Know) List

Piperonyl butoxide (51-03-6)

U.S. - New Jersey - Right to Know Hazardous Substance List

SECTION 16: Other information

Other information

: **DISCLAIMER OF LIABILITY** The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

Full text of H-phrases:

H226	Flammable liquid and vapor
H227	Combustible liquid
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
H312	Harmful in contact with skin
H332	Harmful if inhaled
H400	Very toxic to aquatic life
H402	Harmful to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects