Peppermint

Water Based Scent Additive for Fog, Haze, Snow & Bubble Juice

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Froggy's Fog LLC
302 Rutherford Lane
Columbia, TN 38401
United States
Phone: (615) 469-4906

Version: 2023.1
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SECTION 1: Identification of the Substance/Mixture and of the Company

1.1. Product Identifier

Product Form : Mixture
Product Name : Peppermint - Water Based Scent Additive for Fog, Haze, Snow & Bubble Juice
Product Code : WBS-PEPP

1.2. Intended Use of the Product

Use of the Substance/Mixture : Fragrance
Recommended Use : Fragrance

1.3. Supplier

Froggy's Fog LLC

302 Rutherford Lane

Columbia, TN 38401

1-615-469-4906

www.froggysfog.com

1.4. Emergency Telephone Number

Emergency Telephone Number : 1-800-424-9300 Outside USA and Canada +1 703-741-5970 (collect calls accepted)
For Chemical Emergency, Spill, Leak, Fire, Exposure, or Accident Call CHEMTREC Day or Night. Within USA and Canada: 1-800-424-9300. Outside USA and Canada: +1 703-741-5970 (collect calls accepted)

SECTION 2: Hazard(s) Identification

2.1. Classification of the Substance or Mixture

GHS-US Classification

Flammable liquids Category 4	H227	Combustible liquid
Carcinogenicity Category 2	H351	Suspected of causing cancer

Full text of H-statements: see section 16

2.2. GHS Label Elements, Including Precautionary Statements

GHS US labelling

Hazard pictograms (GHS US) :

Signal word (GHS US) : Warning
Hazard statements (GHS US) : H227 - Combustible liquid
H351 - Suspected of causing cancer

Precautionary statements (GHS US) : P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280 - Wear Safety glasses/ goggles, chemically resistant gloves, protective clothing.
P308+P313 - If exposed or concerned: Get medical advice/attention.
P370+P378 - In case of fire: Use carbon dioxide (CO2), dry extinguishing powder, foam to extinguish.
P403+P235 - Store in a well-ventilated place. Keep cool.
P405 - Store locked up.
P501 - Dispose of contents/container to an approved waste disposal plant.

2.3. Other hazards which do not Result in Classification

Other hazards which do not result in classification : None under normal conditions.

2.4. Unknown Acute Toxicity (GHS US)

No additional information available

SECTION 3: Composition/Information on Ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	GHS US classification
Menthone	CAS-No.: 89-80-5	10 – 30	Flam. Liq. 4, H227 Acute Tox. 4 (Oral), H302
4H-Pyran-4-one, 2-ethyl-3-hydroxy-	CAS-No.: 4940-11-8	1 – 5	Acute Tox. 4 (Oral), H302
Cyclohexanone, 5-methyl-2-(1-methylethylidene)-, (R)-	CAS-No.: 89-82-7	≈ 0.1288	Carc. 2, H351

*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret
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 exposed or concerned: Get medical advice/attention.
First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. If you feel unwell, seek medical advice.
First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Wash contaminated clothing before reuse.
First-aid measures after eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if pain, blinking or redness persists.
First-aid measures after ingestion : Do NOT induce vomiting. Drink plenty of water. Call a poison center or a doctor if you feel unwell.

4.2. Most Important Symptoms and Effects (Acute and Delayed)

Symptoms/effects	: Not expected to present a significant hazard under anticipated conditions of normal use.
Symptoms/effects after inhalation	: None under normal use.
Symptoms/effects after skin contact	: Contact during a long period may cause light irritation.
Symptoms/effects after eye contact	: Direct contact with the eyes is likely to be irritating.
Chronic symptoms	: None known.

4.3. Immediate Medical Attention and Special Treatment, if Necessary

Treat symptomatically.

SECTION 5: Firefighting Measures

5.1. Suitable (and Unsuitable) Extinguishing Media

Suitable extinguishing media : Carbon dioxide. Dry powder. Foam.

5.2. Specific Hazards Arising from the Chemical

Explosion hazard	: Not explosive.
Hazardous decomposition products in case of fire	: Combustion produces carbon monoxide, carbon dioxide, smoke.

5.3. Special Protective Equipment and Precautions for Firefighters

Firefighting instructions	: Move containers from fire are if it can be done without risk.
Protection during firefighting	: Do not attempt to take action without suitable protective equipment.

SECTION 6: Accidental Release Measures

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

General measures : Remove ignition sources.

6.1.1. For Non-Emergency Personnel

No additional information available

6.1.2. For Emergency Responders

Protective equipment : Do not attempt to take action without suitable protective equipment.

6.2. Environmental Precautions

Avoid release to the environment.

6.3. Methods and Material for Containment and Cleaning Up

For containment	: Collect spillage.
Methods for cleaning up	: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. This material and its container must be disposed of in a safe way, and as per local legislation.

6.4. Reference to other Sections

No additional information available

SECTION 7: Handling and Storage

7.1. Precautions for Safe Handling

Additional hazards when processed	:	None known.
Precautions for safe handling	:	Do not eat, drink or smoke when using this product. Do not get in eyes, on skin, or on clothing. Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use personal protective equipment as required. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.
Hygiene measures	:	Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Wash contaminated clothing before reuse.

7.2. Conditions for Safe Storage, Including any Incompatibilities

Technical measures	:	Comply with applicable regulations.
Storage conditions	:	Keep only in the original container in a cool, well ventilated place away from : Direct sunlight. Keep container closed when not in use.
Incompatible products	:	Oxidizing agent.
Incompatible materials	:	Direct sunlight. Heat sources. Sources of ignition.
Maximum storage period	:	2 year May darken with age
Storage area	:	Store away from heat. Store in a well-ventilated place.
Special rules on packaging	:	Keep only in original container.
Packaging materials	:	Do not store in corrodible metal.

SECTION 8: Exposure Controls/Personal Protection

8.1. Control Parameters

Peppermint, WBS-PEPP
No additional information available
Menthone (89-80-5)
No additional information available
Cyclohexanone, 5-methyl-2-(1-methylethylidene)-, (R)- (89-82-7)
No additional information available
4H-Pyran-4-one, 2-ethyl-3-hydroxy- (4940-11-8)
No additional information available

8.2. Appropriate Engineering Controls

Appropriate engineering controls	: Ensure good ventilation of the work station.
Environmental exposure controls	: Avoid release to the environment

8.3. Individual Protection Measures/Personal Protective Equipment

Personal protective equipment:
Gloves. Safety glasses.
Materials for protective clothing:
Wear long sleeves and pants. Immediately remove contaminated clothing and launder before reuse.
Hand protection:
chemically resistant gloves
Eye protection:
Chemical goggles or safety glasses
Skin and body protection:
Wear suitable protective clothing
Respiratory protection:
None generally required

Personal protective equipment symbol(s):

Thermal hazard protection:
Not necessary

Other information:
Do not eat, drink or smoke during use.

SECTION 9: Physical and Chemical Properties

9.1. Information on Basic Physical and Chemical Properties

Physical state	:	Liquid
Appearance	:	Clear liquid.
Color	:	COLORLESS TO PALE YELLOW
Odor	:	peppermint-like
Odor 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	:	89.44 °C Closed cup
Relative evaporation rate (butyl acetate=1)	:	No data available
Flammability (solid, gas)	:	No data available
Vapor pressure	:	No data available
Relative vapor density at 20°C	:	No data available
Relative density	:	0.96 +/- 0.02 Approx. 8.00 lbs./ gallon
Solubility	:	insoluble in water.
Partition coefficient n-octanol/water (Log Pow)	:	No data available

Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Viscosity, kinematic	:	No data available
Viscosity, dynamic	:	No data available
Explosion limits	:	No data available
Explosive properties	:	Product is not explosive.
Oxidizing properties	:	No data available

9.2. Other Information

No additional information available

SECTION 10: Stability and Reactivity

10.1. Reactivity

Product is not explosive.

10.2. Chemical Stability

Stable.

10.3. Possibility of Hazardous Reactions

Hazardous polymerization will not occur.

10.4. Conditions to Avoid

Direct sunlight. Heat. No smoking. Open flame. Overheating. Sparks.

10.5. Incompatible Materials

Oxidizing agent.

10.6. Hazardous decomposition products

Thermal decomposition generates: carbon dioxide, carbon monoxide, smoke.

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

Menthone (89-80-5)	
LD50 oral rat	500 mg/kg (Source: NLM_CIP)
ATE US (oral)	500 mg/kg body weight
4H-Pyran-4-one, 2-ethyl-3-hydroxy- (4940-11-8)	
LD50 oral rat	1150 mg/kg
LD50 dermal rabbit	> 5000 mg/kg
ATE US (oral)	1150 mg/kg body weight

Skin corrosion/irritation	:	Not classified
Serious eye damage/irritation	:	Not classified
Respiratory or skin sensitization	:	Not classified
Germ cell mutagenicity	:	Not classified
Carcinogenicity	:	Suspected of causing cancer.

Cyclohexanone, 5-methyl-2-(1-methylethylidene)-, (R)- (89-82-7)	
IARC group	2B - Possibly carcinogenic to humans
In OSHA Hazard Communication Carcinogen list	Yes

Reproductive toxicity	:	Not classified
STOT-single exposure	:	Not classified
STOT-repeated exposure	:	Not classified
Aspiration hazard	:	Not classified
Viscosity, kinematic	:	No data available
Likely routes of exposure	:	Skin and eye contact.
Symptoms/effects	:	Not expected to present a significant hazard under anticipated conditions of normal use.
Symptoms/effects after inhalation	:	None under normal use.
Symptoms/effects after skin contact	:	Contact during a long period may cause slight irritation.
Symptoms/effects after eye contact	:	Direct contact with the eyes is likely to be irritating.
Chronic symptoms	:	None known.
Other information	:	Likely routes of exposure: skin and eye.

SECTION 12: Ecological Information

12.1. Toxicity

No additional information available

12.2. Persistence and Degradability

No additional information available

12.3. Bioaccumulative Potential

Menthone (89-80-5)	
Partition coefficient n-octanol/water (Log Pow)	2.295 (at 25 °C)
4H-Pyran-4-one, 2-ethyl-3-hydroxy- (4940-11-8)	
Partition coefficient n-octanol/water (Log Pow)	2.9 (at 25 °C)

12.4. Mobility in Soil

No additional information available

12.5. Other Adverse Effects

No additional information available

SECTION 13: Disposal Considerations

13.1. Disposal Methods

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

SECTION 14: Transport Information

In accordance with DOT / TDG / IMDG / IATA

14.1 UN Number

DOT NA No : Not applicable
UN-No. (TDG) : Not applicable
UN-No. (IMDG) : Not applicable
UN-No. (IATA) : Not applicable

14.2. UN Proper Shipping Name

Proper Shipping Name (DOT) : Not applicable
Proper Shipping Name (TDG) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable

14.3. Transport Hazard Class(es)

DOT
Transport hazard class(es) (DOT) : Not applicable

TDG
Transport hazard class(es) (TDG) : Not applicable

IMDG
Transport hazard class(es) (IMDG) : Not applicable

IATA
Transport hazard class(es) (IATA) : Not applicable

14.4. Packing Group

Packing group (DOT) : Not applicable
Packing group (TDG) : Not applicable
Packing group (IMDG) : Not applicable
Packing group (IATA) : Not applicable

14.5. Environmental Hazards

Other information : No supplementary information available

14.6. Special Precautions for User

DOT
No data available

TDG
No data available

IMDG
No data available

IATA
No data available

14.7. Transport 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

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

15.2. International Regulations

CANADA

Menthone (89-80-5)
Listed on the Canadian DSL (Domestic Substances List)

Cyclohexanone, 5-methyl-2-(1-methylethylidene)-, (R)- (89-82-7)
Listed on the Canadian DSL (Domestic Substances List)

4H-Pyran-4-one, 2-ethyl-3-hydroxy- (4940-11-8)
Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

Menthone (89-80-5)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Cyclohexanone, 5-methyl-2-(1-methylethylidene)-, (R)- (89-82-7)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

4H-Pyran-4-one, 2-ethyl-3-hydroxy- (4940-11-8)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

National regulations

Menthone (89-80-5)
Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the Japanese ENCS (Existing New Chemical Substances) inventory
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on the Japanese ISHL (Industrial Safety and Health Law)
Listed on the TCSI (Taiwan Chemical Substance Inventory)
Listed on the NCI (Vietnam - National Chemical Inventory)

Cyclohexanone, 5-methyl-2-(1-methylethylidene)-, (R)- (89-82-7)
Listed on IARC (International Agency for Research on Cancer)
Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the Japanese ENCS (Existing New Chemical Substances) inventory
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on the Japanese ISHL (Industrial Safety and Health Law)
Listed on the TCSI (Taiwan Chemical Substance Inventory)
Listed on the NCI (Vietnam - National Chemical Inventory)

4H-Pyran-4-one, 2-ethyl-3-hydroxy- (4940-11-8)
Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the Japanese ENCS (Existing New Chemical Substances) inventory
Listed on KECL/KECI (Korean Existing Chemicals Inventory)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on the Japanese ISHL (Industrial Safety and Health Law)
Listed on INSQ (Mexican National Inventory of Chemical Substances)
Listed on the TCSI (Taiwan Chemical Substance Inventory)
Listed on the NCI (Vietnam - National Chemical Inventory)
Listed on TECI (Thailand Existing Chemicals Inventory)

15.3. US State Regulations

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

SECTION 16: Other Information

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
Revision date : 8/16/2023

Full text of H-phrases	
H227	Combustible liquid
H302	Harmful if swallowed
H351	Suspected of causing cancer

Hazard Rating	
Health	: 1 Slight Hazard - Irritation or minor reversible injury possible
Flammability	: 2 Moderate Hazard - Materials which must be moderately heated or exposed to high ambient temperatures before ignition will occur. Includes liquids having a flash point at or above 100 F but below 200 F. (Classes II IIIA)
Physical	: 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.
Personal protection	: B - Safety glasses, Gloves

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.