



# Pumpkin Spice

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

### Safety Data Sheet

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

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

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 : Pumpkin Spice - Water Based Scent Additive for Fog, Haze, Snow & Bubble Juice  
Product Code : WBS-PUMP

##### 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

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) :

H351 - Suspected of causing cancer

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Precautionary statements (GHS US) : P201 - Obtain special instructions before use.  
P202 - Do not handle until all safety precautions have been read and understood.  
P280 - Wear Safety glasses/ goggles, chemically resistant gloves, protective clothing.  
P308+P313 - If exposed or concerned: Get medical advice/attention.  
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
Eugenol	CAS-No.: 97-53-0	< 11.7625	Acute Tox. 4 (Oral), H302
Cinnamaldehyde	CAS-No.: 104-55-2	< 9.1975	Acute Tox. 4 (Dermal), H312
Coumarin	CAS-No.: 91-64-5	1 – 5	Acute Tox. 3 (Dermal), H311
Vanillin	CAS-No.: 121-33-5	1 – 5	Acute Tox. 4 (Oral), H302
Oils, orange, sweet	CAS-No.: 8008-57-9	< 1	Flam. Liq. 3, H226 Carc. 2, H351
Safrole	CAS-No.: 94-59-7	< 0.1065	Acute Tox. 4 (Oral), H302 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 area 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

<b>Pumpkin Spice, WBS-PUMP</b>	
No additional information available	
<b>Eugenol (97-53-0)</b>	
No additional information available	
<b>Cinnamaldehyde (104-55-2)</b>	
No additional information available	
<b>Safrole (94-59-7)</b>	
No additional information available	
<b>Coumarin (91-64-5)</b>	
No additional information available	
<b>Vanillin (121-33-5)</b>	
<b>USA - AIHA - Occupational Exposure Limits</b>	
WEEL TWA	10 mg/m <sup>3</sup>
<b>Oils, orange, sweet (8008-57-9)</b>	
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

<b>Personal protective equipment:</b>
Gloves. Safety glasses.
<b>Materials for protective clothing:</b>
Wear long sleeves and pants. Immediately remove contaminated clothing and launder before reuse.
<b>Hand protection:</b>
chemically resistant gloves

<b>Eye protection:</b>
Chemical goggles or safety glasses
<b>Skin and body protection:</b>
Wear suitable protective clothing
<b>Respiratory protection:</b>
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	: Yellow
Odor	: Spice/ Pumpkin
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	: > 93.33 °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	: 1.04 +/- 0.02 Approx. 8.66 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

<b>Eugenol (97-53-0)</b>	
LD50 oral rat	1930 mg/kg
ATE US (oral)	1930 mg/kg body weight
<b>Cinnamaldehyde (104-55-2)</b>	
LD50 oral rat	2220 mg/kg
LD50 dermal rabbit	1260 mg/kg
ATE US (oral)	2220 mg/kg body weight
ATE US (dermal)	1260 mg/kg body weight
<b>Safrole (94-59-7)</b>	
LD50 oral rat	1950 mg/kg
LD50 dermal rabbit	> 5 g/kg
ATE US (oral)	1950 mg/kg body weight
<b>Coumarin (91-64-5)</b>	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rat	293 mg/kg
ATE US (dermal)	293 mg/kg body weight

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<b>Vanillin (121-33-5)</b>	
LD50 oral rat	1580 mg/kg
LD50 dermal rabbit	> 5010 mg/kg
ATE US (oral)	1580 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.

<b>Eugenol (97-53-0)</b>	
IARC group	3 - Not classifiable

<b>Safrole (94-59-7)</b>	
IARC group	2B - Possibly carcinogenic to humans
National Toxicology Program (NTP) Status	Reasonably anticipated to be Human Carcinogen
In OSHA Hazard Communication Carcinogen list	Yes

<b>Coumarin (91-64-5)</b>	
IARC group	3 - Not classifiable
National Toxicology Program (NTP) Status	Evidence of Carcinogenicity

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**

<b>Eugenol (97-53-0)</b>	
LC50 - Fish [1]	13 mg/l (Exposure time: 96 h - Species: Danio rerio [semi-static])

<b>Cinnamaldehyde (104-55-2)</b>	
LC50 - Fish [1]	3.9 – 5.5 mg/l 96 hours

<b>Coumarin (91-64-5)</b>	
LC50 - Fish [1]	56 mg/l 96h
EC50 - Crustacea [1]	13.5 mg/l 48h

<b>Vanillin (121-33-5)</b>	
LC50 - Fish [1]	57 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
LC50 - Fish [2]	88 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
NOEC (acute)	10000 mg/kg (Exposure time: 42 Days - Species: Eisenia foetida [soil dry weight])

## 12.2. Persistence and Degradability

No additional information available

## 12.3. Bioaccumulative Potential

<b>Eugenol (97-53-0)</b>	
Partition coefficient n-octanol/water (Log Pow)	1.83 (at 30 °C (at pH 5.5))
<b>Cinnamaldehyde (104-55-2)</b>	
Partition coefficient n-octanol/water (Log Pow)	2.1065 (at 25 °C)
<b>Vanillin (121-33-5)</b>	
Partition coefficient n-octanol/water (Log Pow)	1.23 (at 22 °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

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.		
Safrole	CAS-No. 94-59-7	< 0.1065%

<b>Safrole (94-59-7)</b>	
CERCLA RQ	100 lb

## 15.2. International Regulations

### CANADA

<b>Eugenol (97-53-0)</b>
Listed on the Canadian DSL (Domestic Substances List)

<b>Cinnamaldehyde (104-55-2)</b>
Listed on the Canadian DSL (Domestic Substances List)

<b>Safrole (94-59-7)</b>
Listed on the Canadian NDSL (Non-Domestic Substances List)

<b>Coumarin (91-64-5)</b>
Listed on the Canadian DSL (Domestic Substances List)

<b>Vanillin (121-33-5)</b>
Listed on the Canadian DSL (Domestic Substances List)

### EU-Regulations

<b>Eugenol (97-53-0)</b>
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

<b>Cinnamaldehyde (104-55-2)</b>
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

<b>Safrole (94-59-7)</b>
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

<b>Coumarin (91-64-5)</b>
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

<b>Vanillin (121-33-5)</b>
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

### National regulations

#### **Eugenol (97-53-0)**

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)

#### **Cinnamaldehyde (104-55-2)**

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)

#### **Safrole (94-59-7)**

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 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)

#### **Coumarin (91-64-5)**

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 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)

**Vanillin (121-33-5)**

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 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 Safrole, which is known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://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	
H226	Flammable liquid and vapor
H302	Harmful if swallowed
H311	Toxic in contact with skin
H312	Harmful in contact with skin
H351	Suspected of causing cancer

Hazard Rating  
 Health : 1 Slight Hazard - Irritation or minor reversible injury possible  
 Flammability : 1 Slight Hazard - Materials that must be preheated before ignition will occur. Includes liquids, solids and semi solids having a flash point above 200 F. (Class IIIB)  
 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.