



Vanilla

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
Revision Date: 08/16/2023

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

1.1. Product Identifier

Product Name : Vanilla – Water Based Scent Additive for Fog, Haze, Snow & Bubble Juice
Product Code : WBS-VANI

1.2. Intended Use of the Product

Use of the Substance/Mixture : Industrial uses: Uses of substances as such or in preparations* at industrial sites

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

Flam. Liq. 4	H227
Skin Sens. 1	H317
Aquatic Acute 2	H401
Aquatic Chronic 2	H411

Full text of H-phrases: see section 16

2.2. Label Elements

GHS US labelling

Hazard pictograms (GHS-US) :



GHS07



GHS09

Signal word (GHS-US) : Warning

Vanilla – 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

Hazard statements (GHS-US)	: H227 – Combustible liquid H317 – May cause an allergic skin reaction H401 – Toxic to aquatic life H411 – Toxic to aquatic life with long lasting effects
Precautionary statements (GHS-US)	: P210 – Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking P261 – Avoid breathing dust/fume/gas/mist/vapours/spray P272 – Contaminated work clothing must not be allowed out of the workplace P273 – Avoid release to the environment P280 – Wear protective gloves/protective clothing/eye protection P302+P352 – IF ON SKIN: Wash with plenty of soap and water P321 – Specific treatment (see ... on this label) P333+P313 – If skin irritation or rash occurs: Get medical advice/attention P362+P364 – Take off contaminated clothing and wash it before reuse P370+P378 – In case of fire: Use ... to extinguish P391 – Collect spillage P403+P235 – Store in a well-ventilated place. Keep cool P501 – Dispose in a safe manner in accordance with local/national regulations

2.3. Other Hazards

No additional information available

2.4. Unknown Acute Toxicity (GHS US)

Not applicable

SECTION 3: Composition/Information on Ingredients**3.1. Substance**

Not applicable

3.2. Mixture

Name	Product identifier	%	GHS-US classification
Benzyl benzoate	(CAS No) 120-51-4	25 - 50	Acute Tox. 4 (Oral), H302 Aquatic Acute 2, H401 Aquatic Chronic 2, H411
ETHYL VANILLIN	(CAS No) 121-32-4	10 - 25	Acute Tox. 4 (Oral), H302 Aquatic Acute 3, H402
p-Methoxybenzaldehyde	(CAS No) 123-11-5	5 - 10	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Aquatic Acute 3, H402
ANISYL ACETATE	(CAS No) 104-21-2	1 - 5	Skin Irrit. 2, H315
Coumarin	(CAS No) 91-64-5	1 - 5	Acute Tox. 4 (Oral), H302 Skin Sens. 1B, H317

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	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	: Allow victim to breathe fresh air. Allow the victim to rest.
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 with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Specific treatment (see ... on this label). Wash contaminated clothing before reuse.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

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

Symptoms/injuries after inhalation	: May cause an allergic skin reaction.
Symptoms/effects after eye contact	: Causes serious eye irritation.

4.3. Indication of any Immediate Medical Attention and Special Treatment Needed

No additional information available.

SECTION 5: Firefighting Measures

5.1. Extinguishing Media

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

5.2. Special Hazards Arising from the Substance or Mixture

No additional information available

5.3. Advice for Firefighters

Firefighting instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental Release Measures

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

6.1.1. For Non-Emergency Personnel

Emergency procedures	: Evacuate unnecessary personnel.
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6.1.2. For Emergency Responders

Protective equipment	: Equip cleanup crew with proper protection.
Emergency procedures	: Ventilate area.

6.2. Environmental Precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

6.3. Methods and Material for Containment and Cleaning Up

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other Sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and Storage

7.1. Precautions for Safe Handling

Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid beathing dust/fume/gas/mist/vapours/spray.

Hygiene measures : Wash hands thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.

7.2. Conditions for Safe Storage, Including any Incompatibilities

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 : Strong bases. Strong acids.

Incompatible materials : Direct sunlight. Sources of ignition.

7.3. Specific End Use(s)

No additional information available

SECTION 8: Exposure Controls/Personal Protection

8.1. Control Parameters

Vanilla, WBS-VANI	
ACGIH	Not applicable
OSHA	Not applicable
p-Methoxybenzaldehyde (123-11-5)	
ACGIH	Not applicable
OSHA	Not applicable
ANISYL ACETATE (104-21-2)	
ACGIH	Not applicable
OSHA	Not applicable

Benzyl benzoate (120-51-4)	
ACGIH	Not applicable
OSHA	Not applicable

Coumarin (91-64-5)	
ACGIH	Not applicable
OSHA	Not applicable

ETHYL VANILLIN (121-32-4)	
ACGIH	Not applicable
OSHA	Not applicable

8.2. Exposure Controls

Personal protective equipment:
Avoid all unnecessary exposure.
Hand protection:
Wear protective gloves/ protective clothing/ eye protection/ protective gloves.
Eye protection:
Chemical goggles or safety glasses
Respiratory protection:
Wear appropriate mask.
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
Colour	: Colourless
Odour	: 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	: 192.9 °F
Relative evaporation rate (butylacetate=1)	: No data available
Flammability (solid, gas)	: No data available
Explosive limits	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Vapour pressure	: No data available
Relative density	: 1.04
Relative vapour density at 20 °C	: No data available

Vanilla – 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

Solubility	: Water: Solubility in water of component(s) of the mixture : • p-Methoxybenzaldehyde: 0.33 g/100ml • ETHYL VANILLIN: 1 g/100ml (50 °C) • ETHYL MALTOL: 1.8 g/100ml • Benzyl benzoate: 153 mg/l (20 °C) • Vanillin: 0.9 g/100ml • ACETOIN DIMER: Complete
Log Pow	: No data available
Log Kow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available

9.2. Other Information

No additional information available

SECTION 10: Stability and Reactivity

10.1. Reactivity

No additional information available

10.2. Chemical Stability

Not established.

10.3. Possibility of Hazardous Reactions

Not established.

10.4. Conditions to Avoid

Direct sunlight. Heat. Extremely high or low temperatures.

10.5. Incompatible Materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological Information

11.1. Information on Toxicological Effects

Acute toxicity : Not classified

p-Methoxybenzaldehyde (123-11-5)	
LD50 oral rat	1510 mg/kg (Rat)
LD50 dermal rabbit	> 5000 mg/kg (Rabbit)
ATE US (oral)	1510.000 mg/kg bodyweight

Vanilla – 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

BenzyI benzoate (120-51-4)	
LD50 oral rat	1870 mg/kg (Rat; OECD 401: Acute Oral Toxicity; Experimental value; >2000 mg/kg bodyweight; Rat)
LD50 dermal rat	4400 mg/kg (Rat)
LD50 dermal rabbit	4000 mg/kg (Rabbit; Experimental value; Modification of Draize 1959 method; >2; Rabbit)
ATE US (oral)	1870.000 mg/kg bodyweight
ATE US (dermal)	4000.000 mg/kg bodyweight
Coumarin (91-64-5)	
ATE US (oral)	500.000 mg/kg bodyweight
ETHYL VANILLIN (121-32-4)	
LD50 oral rat	1590 mg/kg (Rat)
LD50 dermal rabbit	> 7940 mg/kg (Rabbit)
ATE US (oral)	1590.000 mg/kg bodyweight

Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified
	Based on available data, the classification criteria are not met
Carcinogenicity	: Not classified

Coumarin (91-64-5)	
IARC group	3 - Not classifiable

Reproductive toxicity	: Not classified
	Based on available data, the classification criteria are not met
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified
Potential adverse human health effects and symptoms	: Based on available data, the classification criteria are not met.
Symptoms/injuries after inhalation	: May cause an allergic skin reaction.
Symptoms/injuries after eye contact	: Causes serious eye irritation.

SECTION 12: Ecological Information**12.1. Toxicity**

Ecology - water : Toxic to aquatic life with long lasting effects.

p-Methoxybenzaldehyde (123-11-5)	
LC50 fish 1	220 mg/l (96 h; Leuciscus idus)
EC50 Daphnia 1	83 mg/l (48 h; Daphnia magna)
Threshold limit algae 1	43 mg/l (72 h; Algae)

BenzyI benzoate (120-51-4)	
LC50 fish 1	4.6 mg/l (96 h; Pisces; GLP)
EC50 Daphnia 1	426 mg/l (24 h; Daphnia magna; Locomotor effect)
LC50 fish 2	2.32 mg/l (96 h; Brachydanio rerio)
EC50 Daphnia 2	309 mg/l (48 h; Daphnia magna; Locomotor effect)
Threshold limit algae 1	647 mg/l (72 h; Pseudokirchneriella subcapitata; Biomass)
Threshold limit algae 2	247 mg/l (72 h; Pseudokirchneriella subcapitata; Growth rate)

ETHYL VANILLIN (121-32-4)	
LC50 fish 1	87.6 mg/l (96 h; Pisces)

12.2. Persistence and Degradability

Vanilla, WBS-VANI	
Persistence and degradability	May cause long-term adverse effects in the environment.
p-Methoxybenzaldehyde (123-11-5)	
Persistence and degradability	Readily biodegradable in water.
ANISYL ACETATE (104-21-2)	
Persistence and degradability	Not established.
Benzyl benzoate (120-51-4)	
Persistence and degradability	Readily biodegradable in water. Low potential for mobility in soil.
Coumarin (91-64-5)	
Persistence and degradability	Not established.
ETHYL VANILLIN (121-32-4)	
Persistence and degradability	Readily biodegradable in water. Forming sediments in water. Photodegradation in the air. Not established.
ThOD	! "#! % & '(%) * + , - . / 0
BOD (% of ThOD)	(5 day(s)) 0.529

12.3. Bioaccumulative Potential

Vanilla, WBS-VANI	
Bioaccumulative potential	Not established.
p-Methoxybenzaldehyde (123-11-5)	
Log Pow	1.5
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
ANISYL ACETATE (104-21-2)	
Bioaccumulative potential	Not established.
Benzyl benzoate (120-51-4)	
BCF fish 1	2286 (Pisces)
Log Pow	3.88 - 4
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
Coumarin (91-64-5)	
Bioaccumulative potential	Not established.
ETHYL VANILLIN (121-32-4)	
Log Pow	1.61 - 1.88
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4). Not established.

12.4. Mobility in Soil

Benzyl benzoate (120-51-4)	
Surface tension	0.027 N/m (210 °C)

12.5. Other Adverse Effects

Effect on the global warming : No known ecological damage caused by this product.
 Other information : Avoid release to the environment.

SECTION 13: Disposal Considerations

13.1. Waste Treatment Methods

Waste disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations. Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials	: Avoid release to the environment.

SECTION 14: Transport Information

Department of Transportation (DOT) (Non-Bulk only)

In accordance with DOT
Not regulated for transport

Additional Information

Other information : No supplementary information available.

ADR

Transport document description	: UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (BENZYL BENZOATE), 9, III, (E)
Packing Group (ADR)	III
Class (ADR)	: 9 – Miscellaneous dangerous substances and articles
Hazard identification number (Kemler, No.)	90
Classification code (ADR)	: M6
Danger labels (ADR)	: 9 – Miscellaneous dangerous substances and articles



Orange plates



Tunnel restriction code (ADR)	: E
Limited quantities (ADR)	: 5I
Excepted quantities (ADR)	: E1

Transport by sea

UN-No. (IMDG)	3082
Proper Shipping Name (IMDG)	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Class (IMDG)	: 9 – Miscellaneous dangerous substances and articles
Packing group (IMDG)	: III – substances presenting low danger

Air transport

UN-No. (IATA)	3082
Proper Shipping Name (IATA)	: Environmentally hazardous substance, liquid, n.o.s.
Class (IATA)	: 9 – Miscellaneous Dangerous Goods
Packing group (IATA)	: III – Minor Danger

SECTION 15: Regulatory Information

15.1. US Federal Regulations

p-Methoxybenzaldehyde (123-11-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

ANISYL ACETATE (104-21-2)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Benzyl benzoate (120-51-4)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Coumarin (91-64-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

ETHYL VANILLIN (121-32-4)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2. International Regulations

CANADA

No additional information available

EU-Regulations

No additional information available

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Eye Irrit. 2	H319
Skin Sens. 1	H317
Aquatic Chronic 2	H411
Full text of H-phrases: see section 16	

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

No additional information available

National regulations

No additional information available

15.3. US State Regulations

Vanilla – 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

SECTION 16: Other Information

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

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information : None.

Full text of H-phrases:

Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 2	Hazardous to the aquatic environment — Acute Hazard, Category 2
Aquatic Acute 3	Hazardous to the aquatic environment — Acute Hazard, Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Flam. Liq. 4	Flammable liquids, Category 4
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Sensitisation — Skin, category 1
Skin Sens. 1B	Sensitisation — Skin, category 1B
H227	Combustible liquid
H302	Harmful if swallowed
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H401	Toxic to aquatic life
H402	Harmful to aquatic life
H411	Toxic to aquatic life with long lasting effects

HMIS III Rating

Health : 1 Slight Hazard - Irritation or minor reversible injury possible

Flammability : 2 Moderate Hazard – Material 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
B – Safety glasses, Gloves

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