

# SAFETY DATA SHEET

In accordance with UN GHS latest edition

**Product:** WINTER CHALET F86226

**Version:** 2

## Section 1. Identification of the substance or the mixture and of the supplier

### 1.1 Product Identifier

**Product identifier:** WINTER CHALET F86226(Contains:Cinnamaldehyde, Eucalyptol, Eugenol)

**Other identifiers:** none

### 1.2 Relevant identified uses of the substance of mixture and uses advised against

**Product uses:** Fragrances

### 1.3 Details of the supplier of the safety data sheet

**Company name:** Aromatic Fragrances International

**Company address:** 85 Wansley Drive SE  
Cartersville, GA 30121  
USA

**Contact:** Regulatory Affairs

**E-Mail address:** regulatory@afi-usa.com

**Company phone:** 770-334-3906

### 1.4 Emergency telephone number

**Emergency phone:** 770-334-3906

## Section 2. Hazards identification

### 2.1 Classification of the substance or mixture

**Class and category of danger:** Flammable Liquid, Hazard Category 4  
Skin Corrosion / Irritation Category 3  
Eye Damage / Irritation Category 2  
Sensitization - Skin Category 1  
Hazardous to the Aquatic Environment - Acute Hazard Category 2  
Hazardous to the Aquatic Environment - Long-term Hazard Category 3  
H227, Combustible liquid.  
H316, Causes mild skin irritation.  
H319, Causes serious eye irritation.  
H317, May cause an allergic skin reaction.  
H401, Toxic to aquatic life.  
H412, Harmful to aquatic life with long lasting effects.

### 2.2 Label elements

**Signal word:** Warning

**Hazard statements:** H227, Combustible liquid.  
H316, Causes mild skin irritation.  
H319, Causes serious eye irritation.

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H317, May cause an allergic skin reaction.  
H401, Toxic to aquatic life.  
H412, Harmful to aquatic life with long lasting effects.

**Precautionary statements:**

P210, Keep away from heat, sparks, open flames and hot surfaces. - No smoking.  
P264, Wash hands and other contacted skin thoroughly after handling.  
P273, Avoid release to the environment.  
P280, Wear protective gloves/eye protection/face protection.  
P261, Avoid breathing vapour or dust.  
P272, Contaminated work clothing should not be allowed out of the workplace.  
P305/351/338, IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P302/352, IF ON SKIN: Wash with plenty of soap and water.  
P337/313, If eye irritation persists: Get medical advice/attention.  
P333/313, If skin irritation or rash occurs: Get medical advice/attention.  
P370/378, In case of fire: Use carbon dioxide, dry chemical, foam for extinction.  
P363, Wash contaminated clothing before reuse.  
P403/235, Store in a well-ventilated place. Keep cool.  
P501, Dispose of contents/container to approved disposal site, in accordance with local regulations.

**Pictograms:**



**2.3 Other hazards**

**Other hazards:**

Hydrocarbon Concentration %: 0.0000%  
Substance does not meet the criteria for PBT or vPvB according to Regulation (EC) No 17 1207/2006, Annex XIII.

### Section 3. Composition / information on ingredients

**3.2 Mixtures**

**Contains:**

Name	CAS	%	GHS Classification
Isobornyl acetate	125-12-2	1-<5%	Flam. Liq. 4-Skin Irrit. 3-Aquatic Acute 2;H227-H316-H401
Eugenol	97-53-0	1-<5%	Acute Tox. 5-Skin Irrit. 3-Eye Irrit. 2A-Skin Sens. 1B-Aquatic Acute 2;H303-H316-H319-H317-H401
Eucalyptol	470-82-6	1-<5%	Flam. Liq. 3-Acute Tox. 5-Eye Irrit. 2B-Skin Sens. 1B-Aquatic Acute 3;H226-H303-H320-H317-H402

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Ethylene brassylate	105-95-3	1-<5%	Aquatic Acute 2-Aquatic Chronic 3;H401-H412
Cinnamaldehyde	104-55-2	1-<5%	Acute Tox. 5-Acute Tox. 4-Skin Irrit. 2-Eye Irrit. 2A-Skin Sens. 1A-Aquatic Acute 1-Aquatic Chronic 2;H303-H312-H315-H319-H317-H400-H411
Diethyl malonate	105-53-3	1-<5%	Flam. Liq. 4-Eye Irrit. 2A-Aquatic Acute 3;H227-H319-H402
l-Borneol	464-45-9	1-<5%	Flam. Sol. 1-Skin Irrit. 2-Aquatic Acute 2;H228-H315-H401
alpha-Methylcinnamaldehyde	101-39-3	0.1-<1%	Acute Tox. 5-Skin Sens. 1B-Aquatic Acute 1-Aquatic Chronic 3;H303-H317-H400-H412
Camphene	79-92-5	0.1-<1%	Flam. Sol. 2-Eye Irrit. 2B-Aquatic Acute 1-Aquatic Chronic 1;H228-H320-H410
Citral	5392-40-5	0.1-<1%	Skin Irrit. 2-Eye Irrit. 2A-Skin Sens. 1-Aquatic Acute 2; H315-H319-H317-H401
Camphor	76-22-2	0.1-<1%	Flam. Sol. 2-Acute Tox. 5-Acute Tox. 4-Skin Irrit. 2-Eye Dam. 1-STOT SE 2-STO-SE 2_ROUTE-Aquatic Acute 2-Aquatic Chronic 2;H228-H303-H315-H318-H332-H371-H411
2,4-Dimethyl-3-cyclohexen-1-carboxaldehyde	68039-49-6	0.1-<1%	Flam. Liq. 4-Acute Tox. 5-Skin Irrit. 2-Skin Sens. 1B-Aquatic Acute 2-Aquatic Chronic 2;H227-H303-H315-H317-H411
Coumarin	91-64-5	0.1-<1%	Acute Tox. 4-Skin Sens. 1B-Aquatic Acute 3;H302-H317-H402
alpha-Pinene	80-56-8	0.1-<1%	Flam. Liq. 3-Acute Tox. 4-Skin Irrit. 2-Skin Sens. 1B-Asp. Tox 1-Aquatic Acute 1-Aquatic Chronic 1;H226-H302-H304-H315-H317-H410
l-Limonene	5989-54-8	0.1-<1%	Flam. Liq. 3-Skin Irrit. 2-Skin Sens. 1B-Asp. Tox 1-Aquatic Acute 1-Aquatic Chronic 3;H226-H304-H315-H317-H400-H412
Lauric aldehyde	112-54-9	0.1-<1%	Skin Irrit. 3-Skin Sens. 1B-Aquatic Chronic 2;H316-H317-H411
Linalyl acetate	115-95-7	0.1-<1%	Flam. Liq. 4-Skin Irrit. 2-Eye Irrit. 2B-Skin Sens. 1B-Aquatic Acute 3;H227-H315-H320-H317-H402
Linalool	78-70-6	0.1-<1%	Flam. Liq. 4-Acute Tox. 5-Skin Irrit. 2-Eye Irrit. 2A-Skin Sens. 1B-Aquatic Acute 3;H227-H303-H315-H319-H317-H402
Ethyl methylphenylglycidate	77-83-8	0.1-<1%	Skin Sens. 1B-Aquatic Acute 2-Aquatic Chronic 2; H317-H411
alpha-Terpineol	98-55-5	0.1-<1%	Flam. Liq. 4-Acute Tox. 5-Skin Irrit. 2-Eye Irrit. 2A-Aquatic Acute 2;H227-H303-H315-H319-H401
2-Ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol	28219-61-6	0.1-<1%	Skin Irrit. 2-Eye Irrit. 2B-Aquatic Acute 2-Aquatic Chronic 2;H315-H320-H411
2-Methylundecanal	110-41-8	0.1-<1%	Flam. Liq. 4-Skin Irrit. 2-Skin Sens. 1B-Aquatic Acute 1-Aquatic Chronic 2;H227-H315-H317-H400-H411
alpha-iso-Methylionone	127-51-5	0.1-<1%	Skin Irrit. 2-Eye Irrit. 2B-Skin Sens. 1B-Aquatic Acute 2-Aquatic Chronic 2;H315-H320-H317-H411
delta-3-Carene	13466-78-9	0.1-<1%	Flam. Liq. 3-Acute Tox. 5-Acute Tox. 4-Skin Irrit. 2-Skin Sens. 1-Asp. Tox 1-Aquatic Acute 1-Aquatic Chronic 1; H226-H303-H304-H315-H332-H317-H410
alpha-Guaiene	3691-12-1	0.1-<1%	Skin Irrit. 2-Eye Irrit. 2A-Asp. Tox 1;H304-H315-H319
Benzyl benzoate	120-51-4	0.1-<1%	Acute Tox. 4-Aquatic Acute 1-Aquatic Chronic 2;H302-H400-H411
Methyl atrarate	4707-47-5	0.1-<1%	Skin Sens. 1B-Aquatic Acute 2;H317-H401

**Substances with workplace exposure limits, not listed above:**

Not Applicable

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## Section 4. First-aid measures

### 4.1 Description of first aid measures

**Inhalation:** Remove from exposure site to fresh air, keep at rest, and obtain medical attention.

**Eye exposure:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**Skin exposure:** IF ON SKIN: Wash with plenty of soap and water.

**Ingestion:** Rinse mouth with water and obtain medical attention.

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

Causes mild skin irritation.

Causes serious eye irritation.

May cause an allergic skin reaction.

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

None expected, see Section 4.1 for further information.

## Section 5: Firefighting measures

### 5.1 Extinguishing media

Suitable media: Carbon dioxide, Dry chemical, Foam.

### 5.2 Special hazards arising from the substance or mixture

In case of fire, may be liberated: Carbon monoxide, Unidentified organic compounds.

### 5.3 Advice for fire fighters:

In case of insufficient ventilation, wear suitable respiratory equipment.

## Section 6. Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures:

Avoid inhalation. Avoid contact with skin and eyes. See protective measures under Section 7 and 8.

### 6.2 Environmental precautions:

Keep away from drains, surface and ground water, and soil.

### 6.3 Methods and material for containment and cleaning up:

Remove ignition sources. Provide adequate ventilation. Avoid excessive inhalation of vapours. Contain spillage immediately by use of sand or inert powder. Dispose of according to local regulations.

### 6.4 Reference to other sections:

Also refer to sections 8 and 13.

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## Section 7. Handling and storage

### 7.1 Precautions for safe handling:

Keep away from heat, sparks, open flames and hot surfaces. - No smoking. Use personal protective equipment as required. Use in accordance with good manufacturing and industrial hygiene practices. Use in areas with adequate ventilation. Do not eat, drink or smoke when using this product.

### 7.2 Conditions for safe storage, including any incompatibilities:

Store in a well-ventilated place. Keep container tightly closed. Keep cool. Ground/bond container and receiving equipment. Use explosion-proof electrical, ventilating and lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

### 7.3 Specific end use(s):

Fragrances: Use in accordance with good manufacturing and industrial hygiene practices.

## Section 8. Exposure controls/personal protection

### 8.1 Control parameters

**Workplace exposure limits:** Not Applicable

### 8.2 Exposure Controls

#### Eye / Skin Protection

Wear protective gloves/eye protection/face protection

#### Respiratory Protection

Under normal conditions of use and where adequate ventilation is available to prevent build up of excessive vapour, this material should not require special engineering controls. However, in conditions of high or prolonged use, or high temperature or other conditions which increase exposure, the following engineering controls can be used to minimise exposure to personnel: a) Increase ventilation of the area with local exhaust ventilation. b) Personnel can use an approved, appropriately fitted respirator with organic vapour cartridge or canisters and particulate filters. c) Use closed systems for transferring and processing this material.

Also refer to Sections 2 and 7.

## Section 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

<b>Appearance:</b>	Free flowing liquid without sediment
<b>Odour:</b>	Characteristic
<b>Odour threshold:</b>	Not determined
<b>Melting point / freezing point:</b>	Not determined
<b>Boiling point or initial boiling point and boiling range:</b>	Not determined
<b>Flammability:</b>	Not determined
<b>Lower and upper explosion limit:</b>	Not determined

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<b>Flash point:</b>	83 °C
<b>Auto-ignition temperature:</b>	Not determined
<b>Decomposition temperature:</b>	Not relevant
<b>pH:</b>	Not determined
<b>Kinematic viscosity:</b>	Not determined
<b>Solubility:</b>	Not determined
<b>Partition coefficient: n-octanol/water (log value):</b>	Not determined
<b>Vapour pressure:</b>	Not determined
<b>Density and/or relative density:</b>	-0.0150 - 0.0150
<b>Relative vapour density:</b>	Not determined
<b>Particle characteristics:</b>	Not determined

### 9.2 Other information:

Flash Point (Fahrenheit):	181 °F
Refractive Index @ 20C:	-0.0050 - 0.0050
Calculated VOC:	6.84

## Section 10. Stability and reactivity

### 10.1 Reactivity:

Presents no significant reactivity hazard, by itself or in contact with water.

### 10.2 Chemical stability:

Good stability under normal storage conditions.

### 10.3 Possibility of hazardous reactions:

Not expected under normal conditions of use.

### 10.4 Conditions to avoid:

Avoid extreme heat.

### 10.5 Incompatible materials:

Avoid contact with strong acids, alkalis or oxidising agents.

### 10.6 Hazardous decomposition products:

Not expected.

## Section 11. Toxicological information

### 11.1 Information on toxicological effects

This mixture has not been tested as a whole for health effects. The health effects have been calculated using the methods outlined in UN GHS.

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**Acute Toxicity:** Based on available data the classification criteria are not met.  
 Acute Toxicity Oral >5000  
 Acute Toxicity Dermal >5000  
 Acute Toxicity Inhalation Not Available  
**Skin corrosion/irritation:** Skin Corrosion / Irritation Category 3  
**Serious eye damage/irritation:** Eye Damage / Irritation Category 2  
**Respiratory or skin sensitisation:** Sensitization - Skin Category 1  
**Germ cell mutagenicity:** Based on available data the classification criteria are not met.  
**Carcinogenicity:** Based on available data the classification criteria are not met.  
**Reproductive toxicity:** Based on available data the classification criteria are not met.  
**STOT-single exposure:** Based on available data the classification criteria are not met.  
**STOT-repeated exposure:** Based on available data the classification criteria are not met.  
**Aspiration hazard:** Based on available data the classification criteria are not met.

### Information about hazardous ingredients in the mixture

Ingredient	CAS	LD50/ATE Oral (mg/kg)	LD50/ATE Dermal (mg/kg)	LC50/ATE Inhalation	LC50 Route
Cinnamaldehyde	104-55-2	2220	1260		
Eucalyptol	470-82-6	2480			
Eugenol	97-53-0	2500			

Refer to Sections 2 and 3 for additional information.

### Section 12. Ecological information

**12.1 Toxicity:**

Harmful to aquatic life with long lasting effects.

**12.2 Persistence and degradability:** Not available

**12.3 Bioaccumulative potential:** Not available

**12.4 Mobility in soil:** Not available

**12.5 Other adverse effects:** Not available

### Section 13. Disposal considerations

**13.1 Waste treatment methods:**

Dispose of in accordance with local regulations. Avoid disposing into drainage systems and into the environment. Empty containers should be taken to an approved waste handling site for recycling or disposal.

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### Section 14. Transport information

	14.1 UN number:	14.2 UN Proper Shipping Name:	14.3 Transport hazard class (es):	Sub Risk:	14.4 Packing Group:
<b>UN Model Regulations</b>	Not classified	-	-	-	-
<b>IMDG</b>	Not classified	-	-	-	-
<b>ADR,RID,ADN</b>	Not classified	-	-	-	-
<b>ICAO TI</b>	Not classified	-	-	-	-

**14.5 Environmental hazards:** Not environmentally hazardous for transport

**14.6 Special precautions for user:** None additional

**14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:**

Not classified

### Section 15. Regulatory information

#### Essential Oil Components:

Name	CAS	%
Eucalyptus globulus oil	84625-32-1, 8000-48-4, 92502-70-0, 84625-32-1, 97926-40-4, 91771-68-5	1-<5%
Fir needle oil, Siberian	91697-89-1, 8021-29-2	1-<5%
Patchouli oil	84238-39-1, 8014-09-3	1-<5%
Cedar leaf oil	90131-58-1, 8007-20-3	1-<5%

#### Components listed on California's Proposition 65:

Name	CAS	%
Myrcene	123-35-3	<0.1%

#### Naturally-Occuring Materials exempt from Prop65:

Name	CAS	%
Myrcene	123-35-3	

#### Components listed on California's SB312

Name	CAS	%
Eugenol	97-53-0	1-<5%
Cinnamaldehyde	104-55-2	1-<5%
Citral	5392-40-5	0.1-<1%

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Coumarin	91-64-5	0.1-<1%
Linalool	78-70-6	0.1-<1%
alpha-iso-Methylionone	127-51-5	0.1-<1%
Benzyl benzoate	120-51-4	0.1-<1%

### Additional formulation properties

Name	CAS	%
Ethyl vanillin	121-32-4	0.1-<1%

### Section 16. Other information

**Concentration % Limits:** SCI 3=13.86% EDI 2A=81.73% SS 1=8.06% EH A2=49.37% EH A3=4.91% EH C3=16.70%

**Total Fractional Values:** SCI 3=7.22 EDI 2A=1.22 SS 1=12.40 EH A2=2.03 EH A3=20.39 EH C3=5.99

#### Key to revisions:

2.1 Classification of the substance or mixture

Concentration % Limits

Hazardous Ingredients disclosed in a GHS Safety Data Sheet with banded concentrations

Information about hazardous ingredients in the mixture

Ingredients with an Occupational Exposure Limit disclosed on a GHS Safety Data Sheet Banded values

SECTION 3: Composition/information on ingredients

Total Fractional Values

#### Key to abbreviations:

Abbreviation	Meaning
Acute Tox. 4	Acute Toxicity - Dermal Category 4
Acute Tox. 4	Acute Toxicity - Inhalation Category 4
Acute Tox. 4	Acute Toxicity - Oral Category 4
Acute Tox. 5	Acute Toxicity - Oral Category 5
Aquatic Acute 1	Hazardous to the Aquatic Environment - Acute Hazard Category 1
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 1	Hazardous to the Aquatic Environment - Long-term Hazard Category 1
Aquatic Chronic 2	Hazardous to the Aquatic Environment - Long-term Hazard Category 2
Aquatic Chronic 3	Hazardous to the Aquatic Environment - Long-term Hazard Category 3
Asp. Tox 1	Aspiration Hazard Category 1
Eye Dam. 1	Eye Damage / Irritation Category 1
Eye Irrit. 2A	Eye Damage / Irritation Category 2A
Eye Irrit. 2B	Eye Damage / Irritation Category 2B
Flam. Liq. 3	Flammable Liquid, Hazard Category 3

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Flam. Liq. 4	Flammable Liquid, Hazard Category 4
Flam. Sol. 1	Flammable Solid, Hazard Category 1
Flam. Sol. 2	Flammable Solid, Hazard Category 2
H226	Flammable liquid and vapour.
H227	Combustible liquid.
H228	Flammable solid.
H302	Harmful if swallowed.
H303	May be harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H316	Causes mild skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H320	Causes eye irritation.
H332	Harmful if inhaled.
H371	May cause damage to organs (organs, exposure route).
H400	Very toxic to aquatic life.
H401	Toxic to aquatic life.
H402	Harmful to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
P210	Keep away from heat, sparks, open flames and hot surfaces. - No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P260	Do not breathe vapour or dust.
P261	Avoid breathing vapour or dust.
P264	Wash hands and other contacted skin thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves/eye protection/face protection.
P301/310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P301/312	IF SWALLOWED: call a POISON CENTER or doctor/physician if you feel unwell.

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P302/352	IF ON SKIN: Wash with plenty of soap and water.
P303/361/353	IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
P304/340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305/351/338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P309/311	IF exposed or if you feel unwell: Call a POISON CENTRE or doctor/physician.
P310	Immediately call a POISON CENTER or doctor/physician.
P312	Call a POISON CENTRE or doctor/physician if you feel unwell.
P330	Rinse mouth.
P331	Do not induce vomiting.
P332/313	If skin irritation occurs: Get medical advice/attention.
P333/313	If skin irritation or rash occurs: Get medical advice/attention.
P337/313	If eye irritation persists: Get medical advice/attention.
P362	Take off contaminated clothing and wash before reuse.
P363	Wash contaminated clothing before reuse.
P370/378	In case of fire: Use carbon dioxide, dry chemical, foam for extinction.
P391	Collect spillage.
P403/235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container to approved disposal site, in accordance with local regulations.
STOT SE 2	Specific Target Organ Toxicity (Single Exposure) Category 2
Skin Irrit. 2	Skin Corrosion / Irritation Category 2
Skin Irrit. 3	Skin Corrosion / Irritation Category 3
Skin Sens. 1	Sensitization - Skin Category 1
Skin Sens. 1A	Sensitization - Skin Category 1A
Skin Sens. 1B	Sensitization - Skin Category 1B

The information in this safety data sheet is to the best of our knowledge true and accurate but all data, instructions, recommendations and/or suggestions are made without guarantee.