

## SECTION 1: IDENTIFICATION

Product Name: Frosted Gingerbread Cookies (No. 36)

Product Description: Fragrance Oil

Product Form: Mixture

### Recommended Use:

Aromatic fragrance ingredient in concentrated form to be combined with other ingredients to create a finished product. Use according to established regulatory guidelines.

### Recommended Restrictions:

For Manufacturing Use Only

### Company:

Deep South Fragrance  
11 Coolidge Avenue  
Ormond Beach, Florida 32174  
For Information Email: [support@deepsouthfragrance.com](mailto:support@deepsouthfragrance.com)

### Emergency Contact Information:

No information available

## SECTION 2: HAZARD(S) IDENTIFICATION

### 2.1 Classification of the Substance or Mixture

#### Class and Category of Danger:

Flammable Liquid Hazard Category 4  
Acute Toxicity Oral Category 5  
Acute Toxicity Dermal Category 5  
Skin Corrosion/Irritation Category 2  
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

H303 - May be harmful if swallowed

H313 - May be harmful in contact with skin

H315 - Causes skin irritation

H317 - May cause an allergic skin reaction

H319 - Causes serious eye irritation

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

H303 May be harmful if swallowed

H313 May be harmful in contact with skin

H315 Causes skin irritation

H317 May cause an allergic skin reaction

H319 Causes serious eye irritation

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

P261 Avoid breathing dust/fume/gas/mist/vapors/spray

P264 Wash hands and other contacted skin thoroughly after handling

P272 Contaminated work clothing should not be allowed out of the workplace

P273 Avoid release to the environment

P280 Wear protective gloves/protective clothing/eye protection/face protection

P302 + P352 IF ON SKIN Wash with plenty of soap and water

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses in present and easy to do. Continue rinsing

P312 Call a POISON CENTER or doctor/physician if you feel unwell

P333 + P313 If skin irritation or rash occurs Get medical advice/attention

P337 + P313 If eye irritation persists: Get medical advice/attention

P362 Take off contaminated clothing and wash before reuse

P370 + P378 In case of fire: Use carbon dioxide, dry chemical or foam for extinction

P403 + P235 Store in well ventilated place. Keep cool

P501 Dispose of contents/container to approved disposal site, in accordance with local regulations

(GHS) Hazard Symbol(s):



### 2.3 Other Hazards

Other hazards:

None

## SECTION 3: COMPOSITION AND INFORMATION ON INGREDIENTS

### 3.2 Mixtures

This product is a mixture of ingredients containing the following substances representing a health or environmental hazard according to GHS (Global Harmonized System).

| Substance             | CAS #    | Percentage |
|-----------------------|----------|------------|
| CINNAMALDEHYDE        | 104-55-2 | 22.18%     |
| ETHYL VANILLIN        | 121-32-4 | 15.00%     |
| BENZYL BENZOATE       | 120-51-4 | 13.27%     |
| VANILLIN              | 121-33-5 | 8.00%      |
| PIPERONAL             | 120-57-0 | 7.00%      |
| COUMARIN              | 91-64-5  | 4.50%      |
| p-METHOXYBENZALDEHYDE | 123-11-5 | 2.75%      |
| CINNAMYL ACETATE      | 103-54-8 | 1.00%      |
| CINNAMYL ALCOHOL      | 104-54-1 | 0.60%      |
| BENZYL CINNAMATE      | 103-41-3 | 0.50%      |
| METHYL SALICYLATE     | 119-36-8 | 0.20%      |

|                      |          |       |
|----------------------|----------|-------|
| 4-METHYLACETOPHENONE | 122-00-9 | 0.10% |
| EUGENOL              | 97-53-0  | 0.10% |

Substances with workplace exposure limits, not listed above:

Not applicable

Trade Secret Declaration:

The exact chemical makeup of this mixture is held to be a trade secret. Additional information will be made available upon request from authorized medical professionals through normal legal channels.

## 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

Ingestion (Swallowing):

Rinse mouth with water and obtain medical attention

Skin Exposure:

IF ON THE SKIN: Wash with plenty of soap and water

### 4.2 Most Important Symptoms and Effects, Both Acute and Delayed

May be harmful if swallowed  
May be harmful in contact with skin  
Causes skin irritation  
May cause an allergic skin reaction

Causes serious eye irritation

## 4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed

None expected, see Section 4.1 for further information

## SECTION 5: FIRE FIGHTING MEASURES

### 5.1 Suitable Extinguishing Media

Carbon dioxide (CO<sub>2</sub>), foam, or dry chemical

### 5.2 Special Hazards Arising from the Substance or Mixture

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

### 5.3 Advise 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 Cleanup

Remove ignition sources. Provide adequate ventilation. Avoid excessive inhalation of vapors. 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

## 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 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

## 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 vapor, this material should not require 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 minimize exposure to personnel: a) Increase ventilation of the area with local exhaust ventilation b) Personnel can use an approved, appropriately fitted respirator with organic vapor 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

|   |                                      |
|---|--------------------------------------|
| Appearance:                             | Free flowing liquid without sediment |
| Odor:                                   | Characteristic                       |
| Odor Threshold:                         | Not determined                       |
| pH:                                     | Not determined                       |
| Melting Point/Freezing Point:           | Not determined                       |
| Initial Boiling Point/ Range:           | Not determined                       |
| Flash Point:                            | 83 Degrees C                         |
| Evaporation Rate:                       | Not determined                       |
| Flammability (solid, gas):              | Not determined                       |
| Explosive Limits:                       | Not an explosion hazard              |
| Vapor Pressure:                         | Not determined                       |
| Vapor Density:                          | Not determined                       |
| Relative Density:                       | 1.0750 - 1.0850                      |
| Solubility(ies):                        | Not determined                       |
| Partition coefficient: n-octanol/water: | Not determined                       |
| Auto-ignition Temperature:              | Not determined                       |
| Decomposition Temperature:              | Not determined                       |
| Explosive Properties:                   | Not expected                         |
| Oxidizing Properties:                   | Not expected                         |

### 9.2 Other Information

|                         |                 |
|-------------------------|-----------------|
| Refractive Index @ 20C: | 1.5535 - 1.5635 |
| Flash Point:            | 181 Degrees F   |

|                 |  |
|-----------------|--|
| Calculated VOC: | 0.00                                     |
| Color Range:    | 2 Very Pale Yellow to 4 Very Pale Yellow |

## SECTION 10: STABILITY AND REACTIVITY

### 10.1 Reactivity

Product is non-reactive under normal conditions including transport, storage, and use.

### 10.2 Chemical Stability

Good stability under normal conditions including transport, storage, and use.

### 10.3 Possibility of Hazardous Reactions

No dangerous reaction known under normal conditions.

### 10.4 Conditions to Avoid

Avoid freezing, excessive temperatures, open flame, and improper storage. Avoid contamination.

### 10.5 Incompatible Materials

Avoid contact with strong acids, alkalis, or oxidizing agents

### 10.6 Hazardous Decomposition Products

None expected

## SECTION 11: TOXICOLOGY INFORMATION

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.

|                      |                                      |
|----------------------|--------------------------------------|
| Acute Toxicity:      | Oral Category 5<br>Dermal Category 5 |
| Acute Toxicity Oral: | 2567                                 |



|   |   |
|---|---|
| Acute Toxicity Dermal:                                  | 4260  |
| Acute Toxicity Inhalation:                              | Not Available   |
| Skin Corrosion/Irritation:                              | Skin Corrosion/Irritation Category 2                            |
| Serious Eye Damage/Irritation:                          | Eye Damage/Irritation Category 2                                |
| Respiratory or Skin Sensitization:                      | 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: | Not applicable  |

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

No information available

### 12.3 Bio accumulative Potential:

No information available

### 12.4 Mobility in Soil

No information available

### 12.5 Other Adverse Effects

No information available

## **SECTION 13: DISPOSAL CONSIDERATIONS**

### **13.1 Waste Treatment Methods**

Dispose 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

## **SECTION 14: TRANSPORTATION INFORMATION**

### **14.1 UN Number**

None

### **14.2 UN Proper Shipping Name**

None

### **14.3 Transport Hazard Class(es)**

None

### **14.4 Packing Group**

None

### **14.5 Environmental Hazards**

Not environmentally hazardous for transport

### **14.6 Special Precautions for User**

No additional precautions

### **14.7 Transport in Bulk According to Annex II of MARPOL73 and the IBC Code**

Not classified

## SECTION 15: REGULATORY INFORMATION

Essential Oil Components:

| Substance          | CAS #     | Percentage |
|--------------------|-----------|------------|
| ORANGE OIL FLORIDA | 8028-48-6 | 0.10%      |

Additional Formulation Properties:

| Substance      | CAS #    | Percentage |
|----------------|----------|------------|
| ETHYL VANILLIN | 121-32-4 | 15%        |
| VANILLIN       | 121-33-5 | 8%         |

## SECTION 16: OTHER INFORMATION

Concentration % Limits:

EH A2=14.98% EH A3=1.47% EH C3=15.86% EH C4=65.45% SCI 2=45.10% SCI 3=4.49% EDI 2A=22.14%  
EDI 2B=66.67% SS 1=0.45095829%

Total Fractional Values:

EH A2=6.68 EH A3=68.00 EH C3=6.31 EH C4=1.53 SCI 2=2.22 SCI 3=22.28 EDI 2A=4.52 EDI 2B=1.50 SS  
1=221.75

Key to Revisions:

Not applicable

Disclaimer:

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