



## Fragrance: Carnation

**Indigo Fragrance**  
PO BOX 337  
Necedah, WI 54646

### HIMS Hazard Class

Health..... = 1  
Flammability..... = 1  
Reactivity..... = 0  
0 =least, 1=slight  
2 =moderate,  
3 =serious  
4 =severe

## Material Safety Data Sheet

### Emergency Phone Number (24 Hours)

Chemtrec: 800-424-9300 (for U.S., Canada, Mexico)  
703-527-3887 (International)

### Section 1: Substance Identification

**Product/Material:** Fragrance Oil  
**Product Description:** Fragrance

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### Section 2: Physical Data

Appearance and Odor: Clear liquid with a characteristic note  
Boiling Point (of most volatile component) >1%: 200<sup>0</sup> F  
Vapor Pressure: N/A Vapor Density (air=1): >1  
Specific Gravity@20C: 1.06 Melting Point: N/A, liquid  
Solubility in water: Slight

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### Section 3: Fire & Explosion Hazards Identification

Flash Point (degrees<sup>F</sup> closed cup) 200  
Extinguishing Media: Carbon Dioxide, Dry Chemical or Foam  
Special Fire Fighting Procedures: Sealed Containers exposed to heat can build up pressure, cool containers with water spray. Self contained breathing apparatus and protective clothing is recommended.  
Unusual Fire and Explosion Hazards: None known or expected.

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### Section 4: Health Hazard Information

Threshold Limit Value (ACGIH TLV) Not established  
OSHA Permissible Exposure Limit (PEL) Not Established  
Carcinogenicity – NTP Monograph: NO, OSHA: NO, IARC: NO  
Oral LD 50: Not Established. Target Organs: Not Known

NOTE: The composition of this product is classified as a Trade Secret in accordance with CFR 29 1910.1200. This product is a mixture for which no health hazard data exist. The Hazard communication standard requires that such mixtures be assumed to present the same health hazards as do components that constitute at least 1% of the mixture (0.1% for carcinogens) although OSHA has noted that the hazards for individual components may be altered by including them in a mixture. Based on information currently available from reliable sources, we estimate that this mixture may have properties which could potentially be hazardous to health: HARMFUL IF SWALLOWED, IRRITATING TO EYES, IRRITATING TO SKIN, IRRITATING TO NOSE, THROAT & LUNGS.

**Section 5: Emergency & First Aid Procedures**

|  |   |
|--|---|
| Flash Point (COC)                                | Above 290 <sup>F</sup>  |
| Flammable Limits (% by volume)                   | Lower-No data Upper-No data<br>Requires exposure to high temperature & naked flame              |
| Auto-ignition Temperature                        | above 800 <sup>F</sup>  |
| Suitable Extinguishing Media                     | Dry Chemical, carbon dioxide foam   |
| Extinguishing media <u>that must not be used</u> | Water   |
| Special Fire Fighting Procedures                 | Treat as petroleum oil fire   |
| Special protective Fire Fighting equipment       | Full-Face, positive pressure, self contained breathing apparatus, and full protective clothing. |
| Fire & Explosive Conditions                      | Slight when exposed to high heat or direct flame- Dense smoke may be generated while burning.   |

**Section 6: Accidental Release Measures / Spills & Leaks**

|                           |   |
|---------------------------|---|
| Personal Precautions      | Safety glasses, chemical goggles  |
| Environmental Precautions | Avoid uncontrolled release of material. Where larger quantity spills are possible, a response plan should be implemented.   |
| Cleaning up method        | Wear protective clothing and use an absorbent material soak up spill, then sweep and properly dispose of material in containers. This product is a non hazardous waste when spilled or disposed of as defined in Resource Conservation Recovery Act (RCRA) regulations (40 CFR 261) |

**Section 7: Handling & Storage**

|                               |  |
|-------------------------------|--|
| Precautions for Safe Handling | Handle this product with care, avoid over exposure. Wear appropriate safety glasses and protective clothing. |
| Conditions for safe Handling  | Store in cool dry conditions, away from boilers and hot pipes.   |

**Section 8: Exposure Control/ Personal Protection**

|                                    |   |
|------------------------------------|---|
| Precautionary Engineering Measures | In high concentration conditions, local exhaust ventilation.    |
| Respiratory Protection             | If concentration is to exceed TLV, suitable organic vapor mask. |
| Hand Protection                    | Impervious gloves   |
| Eye Protection                     | Glasses or goggles  |
| Skin Protection                    | Protective overalls   |

**Section 9: Physical & Chemical Properties**

|                                       |                              |
|---------------------------------------|------------------------------|
| Appearance                            | Slightly tinted color liquid |
| Odor                                  | Resembles name of Fragrance  |
| Ph                                    | ND                           |
| Boiling Point/ Boiling Range          | 620F                         |
| Melting Point/ Melting Range          | 68°F                         |
| Oxidizing properties                  | Not applicable               |
| Vapor pressure (mm Hg)                | 68°F                         |
| Relative density (H <sup>2</sup> O=1) | 1.126                        |
| Water solubility %by weight)          | Insoluble                    |
| Vapor density (air=1)                 | 7.3                          |
| Viscosity @100 <sup>c</sup>           | 3-6 cSt                      |
| Percentage volatile by volume         | Not applicable               |
| Evaporation rate (butyl acetate=1)    | 1                            |

**Section 10: Stability & Reactivity**

|                                      |  |
|--------------------------------------|--|
| Stability / Conditions to avoid      | Stable                                     |
| Incompatibility / Materials to avoid | Water                                      |
| Hazardous decomposition Products     | strong oxidizing agents could effect color |
| Hazardous Polymerization             | <u>Will not occur</u>                      |

**Section 11: Toxicological Information**

|                            |               |
|----------------------------|---------------|
| Hazardous Ingredients      | None          |
| Immediate Health           | None expected |
| Delayed Health Effects     | None expected |
| Acute Effects (short term) | None expected |

**Section 12: Ecological Information**

|                                       |                          |
|---------------------------------------|--------------------------|
| Environmentally dangerous ingredients | None                     |
| Mobility                              | Liquid                   |
| Persistence and Degradability         | Very slow biodegradation |
| Bioaccumulative Potential             | Not Available            |
| Aquatic toxicity                      | Not Available            |
| Marie Pollutant (IMDG guide)          | Not available            |

**Section 13: Disposal Considerations**

|                                 |  |
|---------------------------------|--|
| Disposal of waste materials     | Treat as solid, combustible material                           |
| Disposal of waste containers    | Normal industrial waste  |
| Disposal restrictions           | Compliance with local, state, & Federal laws and restrictions. |
| Statutory Notification required | See above  |

**Section 14: Transport Information**

|                                |   |
|--------------------------------|---|
| D.O.T. Classification          | Not regulated, not hazardous liquid               |
| UN Number                      | None  |
| UN Packaging group             | None  |
| IMDG classification            | Not applicable                                    |
| Special precautions Re:Carrage | Not required, not regulated, not hazardous liquid |
| Symbol                         | Not applicable                                    |

**- Section 15: Regulatory Information****OSHA STATUS**

This product is not hazardous under the criteria of the Federal OSHA hazard Communication Standard 29 CFR 1910.1200. However, thermal processing and decomposition fumes from his product may be hazardous as noted in sections 2 and 3.

TSCA STATUS: On TSCA Inventory

CERCLA PEPORTABLE QUANTITY: None

SARA TITLE III:

SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES: None

SECTION 311/312 HAZARD CATEGORIES: Non-hazardous under section 311/312

SECTION 313 TOXIC CHEMICALS: None

RCRA STATUS: If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic. However under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as hazardous waste. (40 CFR 261.20-24)

**INTERNATIONAL REGULATIONS**

CANADIAN WHIMS: Complies

CANADIAN ENVIRONMENTAL PROTECTION ACT: All components of this product are on the Domestic Substances list (DSL)

EINECS: All components are on the European Inventory of Existing Commercial Chemical Substances.

**STATE REGULATIONS:**

There are no known additional requirements necessary for compliance with right to know regulations.

**Section 16: Any other Health & Safety Information**

Label Hazard Ratings: NFPA: Fire-0 Health-1 Reactivity-0, Specific Hazard-None

HMIS: Health-1 Flammability-1 Reactivity-0 PPI-B

**Recommended uses and restrictions: see below**

Source of key information used to compile MSDS, ANSI Z400.1-1993

**Date:04/01/2001**

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