

# SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:  
US - OSHA Hazard Communication Standard (29 CFR 1910.1200)

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Revision Number 2.01

## 1. Identification

### Product identifier

**Product Name** Fragrance - Orange Ginger, Vanilla, Pine, Apple

### Other means of identification

**UN/ID no** UN3082

**Synonyms** None

### Recommended use of the chemical and restrictions on use

**Recommended use** Air freshener

**Restrictions on use** No information available

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

#### Manufacturer Address

Rexair LLC  
2600 West Big Beaver Rd  
Suite 555  
Troy, MI 48084 USA  
248-643-7222

**E-mail** webmaster@rexairllc.com

### Emergency telephone number

**Emergency telephone** 1-800-255-3924 (ChemTel)

## 2. Hazard(s) identification

### Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

|                                   |             |
|-----------------------------------|-------------|
| Skin corrosion/irritation         | Category 2  |
| Serious eye damage/eye irritation | Category 2A |
| Skin sensitization                | Category 1  |

### Hazards not otherwise classified (HNOC)

Not applicable.

### Label elements

#### **Warning**

#### **Hazard statements**

Causes skin irritation.  
Causes serious eye irritation.

May cause an allergic skin reaction.



#### Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling  
 Avoid breathing dust/fume/gas/mist/vapors/spray  
 Contaminated work clothing must not be allowed out of the workplace  
 Wear protective gloves/eye protection/face protection

IF IN EYES: 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  
 IF ON SKIN: Wash with plenty of water and soap  
 Take off contaminated clothing and wash it before reuse  
 If skin irritation or rash occurs: Get medical advice/attention

#### Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

#### Other information

Toxic to aquatic life with long lasting effects. Toxic to aquatic life.

### 3. Composition/information on ingredients

#### Substance

Not applicable.

#### Mixture

| Chemical name  | CAS No     | Weight-% | Trade secret |
|--|------------|----------|--------------|
| Hexylene glycol  | 107-41-5   | 10-20    | *            |
| Limonene   | 5989-27-5  | 1-5      | *            |
| Isopropyl alcohol  | 67-63-0    | 1-5      | *            |
| 2-tert-Butylcyclohexyl acetate   | 88-41-5    | 0-4      | *            |
| Benzyl alcohol   | 100-51-6   | 0-2      | *            |
| alpha-Methylcinnamaldehyde   | 101-39-3   | 0-2      | *            |
| Dipropylene glycol monomethyl ether  | 34590-94-8 | 1-5      | *            |
| Vanillin   | 121-33-5   | 0-1      | *            |
| p-Methoxybenzaldehyde  | 123-11-5   | 0-1      | *            |
| Piperonal  | 120-57-0   | 0-1      | *            |
| Phenethyl alcohol  | 60-12-8    | 0-1      | *            |
| Ethyl vanillin   | 121-32-4   | 0-1      | *            |
| Ethyl butyrate   | 105-54-4   | 0-1      | *            |
| Ethyl 2-methyl-1,3-dioxolane-2-acetate                                     | 6413-10-1  | 0-1      | *            |
| Benzyl benzoate  | 120-51-4   | 0-1      | *            |
| 2-Methyl-3-(p-isopropylphenyl)propionaldehyde                              | 103-95-7   | 0-1      | *            |
| 1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylcyclo penta-gamma-2-benzopyran | 1222-05-5  | 0-1      | *            |
| Pinene   | 80-56-8    | 0.1-0.5  | *            |

|                            |            |         |   |
|----------------------------|------------|---------|---|
| beta Pinene                | 127-91-3   | 0.1-0.5 | * |
| Orange oil, sweet terpenes | 68647-72-3 | 0-0.1   | * |
| Coumarin                   | 91-64-5    | 0-0.1   | * |
| Citral                     | 5392-40-5  | 0.1-0.5 | * |

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

## 4. First-aid measures

### Description of first aid measures

|   |   |
|---|---|
| <b>General advice</b>                     | Show this safety data sheet to the doctor in attendance.  |
| <b>Inhalation</b>                         | Remove to fresh air. Get medical attention immediately if symptoms occur.   |
| <b>Eye contact</b>                        | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area. Get medical attention if irritation develops and persists. |
| <b>Skin contact</b>                       | May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a physician. Wash off immediately with soap and plenty of water for at least 15 minutes.  |
| <b>Ingestion</b>                          | Rinse mouth. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a physician.   |
| <b>Self-protection of the first aider</b> | Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8).   |

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

**Symptoms** Itching. Rashes. Hives. May cause redness and tearing of the eyes. Burning sensation.

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

**Note to physicians** May cause sensitization in susceptible persons. Treat symptomatically.

## 5. Fire-fighting measures

|   |  |
|---|--|
| <b>Suitable Extinguishing Media</b>                                   | Dry chemical, CO <sub>2</sub> , water spray or regular foam.   |
| <b>Unsuitable extinguishing media</b>                                 | High volume water jet.   |
| <b>Specific hazards arising from the chemical</b>                     | Product is or contains a sensitizer. May cause sensitization by skin contact.  |
| <b>Hazardous combustion products</b>                                  | Carbon oxides.   |
| <b>Explosion data</b>   |  |
| <b>Sensitivity to mechanical impact</b>                               | None.  |
| <b>Sensitivity to static discharge</b>                                | None.  |
| <b>Special protective equipment and precautions for fire-fighters</b> | Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment. |

## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

**Personal precautions** Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

**Other information** Refer to protective measures listed in Sections 7 and 8.

### Methods and material for containment and cleaning up

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

## 7. Handling and storage

### Precautions for safe handling

**Advice on safe handling** Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place.

## 8. Exposure controls/personal protection

### Control parameters

**Exposure Limits** The following ingredients are the only ingredients of the product above the cut-off level (or level that contributes to the hazard classification of the mixture) which have an exposure limit applicable in the region for which this safety data sheet is intended or other recommended limit. At this time, the other relevant constituents have no known exposure limits from the sources listed here.

| Chemical name                                     | ACGIH TLV  | OSHA PEL   | NIOSH   |
|---|--|--|---|
| Hexylene glycol<br>107-41-5                       | STEL: 50 ppm vapor fraction<br>STEL: 10 mg/m <sup>3</sup> inhalable particulate matter, aerosol only<br>TWA: 25 ppm vapor fraction | (vacated) Ceiling: 25 ppm<br>(vacated) Ceiling: 125 mg/m <sup>3</sup>  | Ceiling: 25 ppm<br>Ceiling: 125 mg/m <sup>3</sup>   |
| Isopropyl alcohol<br>67-63-0                      | STEL: 400 ppm<br>TWA: 200 ppm  | TWA: 400 ppm<br>TWA: 980 mg/m <sup>3</sup><br>(vacated) TWA: 400 ppm<br>(vacated) TWA: 980 mg/m <sup>3</sup><br>(vacated) STEL: 500 ppm<br>(vacated) STEL: 1225 mg/m <sup>3</sup>                      | IDLH: 2000 ppm<br>TWA: 400 ppm<br>TWA: 980 mg/m <sup>3</sup><br>STEL: 500 ppm<br>STEL: 1225 mg/m <sup>3</sup> |
| Dipropylene glycol monomethyl ether<br>34590-94-8 | STEL: 150 ppm<br>TWA: 100 ppm<br>S*  | TWA: 100 ppm<br>TWA: 600 mg/m <sup>3</sup><br>(vacated) TWA: 100 ppm<br>(vacated) TWA: 600 mg/m <sup>3</sup><br>(vacated) STEL: 150 ppm<br>(vacated) STEL: 900 mg/m <sup>3</sup><br>(vacated) S*<br>S* | IDLH: 600 ppm<br>TWA: 100 ppm<br>TWA: 600 mg/m <sup>3</sup><br>STEL: 150 ppm<br>STEL: 900 mg/m <sup>3</sup>   |
| Pinene<br>80-56-8                                 | dermal sensitizer<br>TWA: 20 ppm   | -  | -   |

|                         |   |   |   |
|-------------------------|---|---|---|
| beta Pinene<br>127-91-3 | dermal sensitizer<br>TWA: 20 ppm                                      | - | - |
| Citral<br>5392-40-5     | dermal sensitizer<br>TWA: 5 ppm inhalable<br>fraction and vapor<br>S* | - | - |

**Biological occupational exposure limits**

| Chemical name                | ACGIH  |
|------------------------------|--|
| Isopropyl alcohol<br>67-63-0 | 40 mg/L - urine (Acetone) - end of shift at end of<br>workweek |

**Appropriate engineering controls**

**Engineering controls**                      Showers  
 Eyewash stations  
 Ventilation systems.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection**                      Wear safety glasses with side shields (or goggles).

**Hand protection**                              Wear suitable gloves. Impervious gloves.

**Skin and body protection**                      Wear suitable protective clothing. Long sleeved clothing.

**Respiratory protection**                      No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

**General hygiene considerations**                      Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Avoid contact with skin, eyes or clothing.

**9. Physical and chemical properties****Information on basic physical and chemical properties**

**Appearance**                                      Clear liquid  
**Physical state**                                      Liquid  
**Color**    Colorless  
**Odor**    Fragrance  
**Odor threshold**                                      No data available

| <u>Property</u>                         | <u>Values</u>     | <u>Remarks • Method</u>          |
|---|-------------------|----------------------------------|
| pH                                      |                   | No data available                |
| Melting point / freezing point          |                   | No data available                |
| Initial boiling point and boiling range |                   | No data available                |
| Flash point                             | 124 °C / 255.2 °F | Pensky-Martens Closed Cup (PMCC) |
| Evaporation rate                        |                   | No data available                |
| Flammability                            |                   | No data available                |
| Flammability Limit in Air               |                   |                                  |
| Upper flammability or explosive limits  |                   | No data available                |
| Lower flammability or explosive limits  |                   | No data available                |
| Vapor pressure                          |                   | No data available                |
| Vapor density                           |                   | No data available                |
| Relative density                        |                   | No data available                |
| Water solubility                        |                   | No data available                |
| Solubility(ies)                         |                   | No data available                |
| Partition coefficient                   |                   | No data available                |

|                           |                   |
|---------------------------|-------------------|
| Autoignition temperature  | No data available |
| Decomposition temperature | No data available |
| Kinematic viscosity       | No data available |
| Dynamic viscosity         | No data available |

**Other information**

|                      |                          |
|----------------------|--------------------------|
| Explosive properties | No information available |
| Oxidizing properties | No information available |
| Softening point      | No information available |
| Molecular weight     | No information available |
| VOC Content (%)      | No information available |
| Liquid Density       | No information available |
| Bulk density         | No information available |

**10. Stability and reactivity**

|   |  |
|---|--|
| <b>Reactivity</b>                         | None under normal use conditions.  |
| <b>Chemical stability</b>                 | Stable under normal conditions.  |
| <b>Possibility of hazardous reactions</b> | None under normal processing.  |
| <b>Conditions to avoid</b>                | None known based on information supplied.  |
| <b>Incompatible materials</b>             | Acids. Bases. Metals. Oxidizing or reducing agents. Metal salts. Isocyanates.    |
| <b>Hazardous decomposition products</b>   | Carbon oxides. Aldehydes. Alcohols. Ethers. Organic acids and their derivatives. |

**11. Toxicological information****Information on likely routes of exposure****Product Information**

|                     |   |
|---------------------|---|
| <b>Inhalation</b>   | Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract.  |
| <b>Eye contact</b>  | Specific test data for the substance or mixture is not available. Causes serious eye irritation. (based on components). May cause redness, itching, and pain.   |
| <b>Skin contact</b> | Specific test data for the substance or mixture is not available. May cause sensitization by skin contact. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. (based on components). Causes skin irritation. |
| <b>Ingestion</b>    | Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.   |

**Symptoms related to the physical, chemical and toxicological characteristics**

|                 |   |
|-----------------|---|
| <b>Symptoms</b> | Itching. Rashes. Hives. Redness. May cause redness and tearing of the eyes. |
|-----------------|---|

**Acute toxicity****Numerical measures of toxicity****Component Information**

| Chemical name  | Oral LD50                                    | Dermal LD50              | Inhalation LC50                      |
|--|--|--------------------------|--------------------------------------|
| Hexylene glycol<br>107-41-5  | = 3700 mg/kg ( Rat )                         | = 12300 mg/kg ( Rabbit ) | -                                    |
| Limonene<br>5989-27-5  | = 4400 mg/kg ( Rat )<br>= 5200 mg/kg ( Rat ) | > 5 g/kg ( Rabbit )      | -                                    |
| Isopropyl alcohol<br>67-63-0   | = 1870 mg/kg ( Rat )                         | = 4059 mg/kg ( Rabbit )  | > 10000 ppm ( Rat ) 6 h              |
| 2-tert-Butylcyclohexyl acetate<br>88-41-5  | = 4600 mg/kg ( Rat )                         | -                        | -                                    |
| Benzyl alcohol<br>100-51-6   | = 1230 mg/kg ( Rat )                         | = 2 g/kg ( Rabbit )      | > 4178 mg/m <sup>3</sup> ( Rat ) 4 h |
| alpha-Methylcinnamaldehyde<br>101-39-3   | = 2050 mg/kg ( Rat )                         | > 5 g/kg ( Rabbit )      | -                                    |
| Dipropylene glycol monomethyl<br>ether<br>34590-94-8                                   | = 5.35 g/kg ( Rat )                          | = 9500 mg/kg ( Rabbit )  | -                                    |
| Vanillin<br>121-33-5   | = 1580 mg/kg ( Rat )                         | > 5010 mg/kg ( Rabbit )  | -                                    |
| p-Methoxybenzaldehyde<br>123-11-5  | > 2000 mg/kg ( Rat )                         | > 5000 mg/kg ( Rabbit )  | > 0.32 mg/L ( Rat ) 7 h              |
| Piperonal<br>120-57-0  | = 2700 mg/kg ( Rat )                         | > 5000 mg/kg ( Rat )     | -                                    |
| Phenethyl alcohol<br>60-12-8   | = 1609 mg/kg ( Rat )                         | = 2535 mg/kg ( Rabbit )  | > 4.63 mg/L ( Rat ) 4 h              |
| Ethyl vanillin<br>121-32-4   | = 1590 mg/kg ( Rat )                         | > 2000 mg/kg ( Rat )     | -                                    |
| Ethyl butyrate<br>105-54-4   | = 13 g/kg ( Rat )                            | > 2000 mg/kg ( Rat )     | -                                    |
| Ethyl<br>2-methyl-1,3-dioxolane-2-acetate<br>6413-10-1                                 | > 5 g/kg ( Rat )                             | -                        | -                                    |
| Benzyl benzoate<br>120-51-4  | = 500 mg/kg ( Rat )                          | = 4000 mg/kg ( Rabbit )  | -                                    |
| 2-Methyl-3-(p-isopropylphenyl)propionaldehyde<br>103-95-7                              | = 3810 mg/kg ( Rat )                         | > 5000 mg/kg ( Rat )     | -                                    |
| 1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylcyclopenta-gamma-2-benzopyran<br>1222-05-5 | > 3250 mg/kg ( Rat )                         | > 3250 mg/kg ( Rabbit )  | -                                    |
| Pinene<br>80-56-8  | = 3700 mg/kg ( Rat )                         | > 5000 mg/kg ( Rat )     | -                                    |
| beta Pinene<br>127-91-3  | > 5000 mg/kg ( Rat )                         | > 5000 mg/kg ( Rabbit )  | -                                    |
| Coumarin<br>91-64-5  | > 5000 mg/kg ( Rat )                         | = 293 mg/kg ( Rat )      | -                                    |
| Citral<br>5392-40-5  | = 4960 mg/kg ( Rat )                         | = 2250 mg/kg ( Rabbit )  | -                                    |

#### **Delayed and immediate effects as well as chronic effects from short and long-term exposure**

|  |  |
|--|--|
| <b>Skin corrosion/irritation</b>         | Classification based on data available for ingredients. Irritating to skin.                      |
| <b>Serious eye damage/eye irritation</b> | Classification based on data available for ingredients. Causes serious eye irritation.           |
| <b>Respiratory or skin sensitization</b> | Classification based on data available for ingredients. May cause sensitization by skin contact. |

**Germ cell mutagenicity** No information available.

**Carcinogenicity** No information available.

The table below indicates whether each agency has listed any ingredient as a carcinogen.

| Chemical name                | ACGIH | IARC    | NTP | OSHA |
|------------------------------|-------|---------|-----|------|
| Limonene<br>5989-27-5        | -     | Group 3 | -   | X    |
| Isopropyl alcohol<br>67-63-0 | -     | Group 3 | -   | -    |
| Coumarin<br>91-64-5          | -     | Group 3 | -   | -    |

**Legend**

**IARC (International Agency for Research on Cancer)**

Group 3 - Not Classifiable as to Carcinogenicity in Humans

**OSHA (Occupational Safety and Health Administration of the US Department of Labor)**

X - Present

**Reproductive toxicity** No information available.

**STOT - single exposure** No information available.

**STOT - repeated exposure** No information available.

**Target organ effects** Respiratory system. Eyes. Skin. Central nervous system.

**Aspiration hazard** No information available.

**Other adverse effects** No information available.

**Interactive effects** No information available.

## 12. Ecological information

**Ecotoxicity** Toxic to aquatic life, Toxic to aquatic life with long lasting effects (applicable for Orange Ginger fragrance only).

| Chemical name                | Algae/aquatic plants  | Fish   | Toxicity to microorganisms | Crustacea                                  |
|------------------------------|---|--|----------------------------|--|
| Hexylene glycol<br>107-41-5  | -   | LC50: 10500 - 11000mg/L (96h, Pimephales promelas)<br>LC50: =10000mg/L (96h, Lepomis macrochirus)<br>LC50: =10700mg/L (96h, Pimephales promelas)<br>LC50: =8690mg/L (96h, Pimephales promelas) | -                          | EC50: 2700 - 3700mg/L (48h, Daphnia magna) |
| Limonene<br>5989-27-5        | -   | LC50: 0.619 - 0.796mg/L (96h, Pimephales promelas)<br>LC50: =35mg/L (96h, Oncorhynchus mykiss)   | -                          | -  |
| Isopropyl alcohol<br>67-63-0 | EC50: >1000mg/L (72h, Desmodesmus subspicatus)<br>EC50: >1000mg/L (96h, | LC50: =11130mg/L (96h, Pimephales promelas)<br>LC50: =9640mg/L (96h,   | -                          | EC50: =13299mg/L (48h, Daphnia magna)      |



|  |  |  |   |   |
|--|--|--|---|---|
|  | Desmodemus subspicatus)  | Pimephales promelas)<br>LC50: >1400000µg/L<br>(96h, Lepomis macrochirus)   |   |   |
| Benzyl alcohol<br>100-51-6                                 | -  | LC50: =10mg/L (96h,<br>Lepomis macrochirus)<br>LC50: =460mg/L (96h,<br>Pimephales promelas)  | - | EC50: =23mg/L (48h,<br>water flea)        |
| Dipropylene glycol<br>monomethyl ether<br>34590-94-8       | -  | LC50: >10000mg/L<br>(96h, Pimephales<br>promelas)  | - | LC50: =1919mg/L (48h,<br>Daphnia magna)   |
| Vanillin<br>121-33-5                                       | -  | LC50: 53 - 61.3mg/L<br>(96h, Pimephales<br>promelas)<br>LC50: =57mg/L (96h,<br>Pimephales promelas)<br>LC50: =88mg/L (96h,<br>Pimephales promelas) | - | -   |
| Piperonal<br>120-57-0                                      | -  | LC50: =2.5mg/L (96h,<br>Cyprinus carpio)   | - | -   |
| Phenethyl alcohol<br>60-12-8                               | EC50: =490mg/L (72h,<br>Desmodemus<br>subspicatus)   | -  | - | EC50: =287.17mg/L<br>(48h, Daphnia magna) |
| Ethyl vanillin<br>121-32-4                                 | -  | LC50: 81.4 - 94.3mg/L<br>(96h, Pimephales<br>promelas)   | - | -   |
| Ethyl<br>2-methyl-1,3-dioxolane-2-acet<br>ate<br>6413-10-1 | -  | LC50: >100mg/L (96h,<br>Oncorhynchus mykiss)   | - | -   |
| Benzyl benzoate<br>120-51-4                                | -  | LC50: =2.32mg/L (96h,<br>Danio rerio)  | - | -   |
| Pinene<br>80-56-8  | -  | LC50: =0.28mg/L (96h,<br>Pimephales promelas)  | - | LC50: =41mg/L (48h,<br>Daphnia magna)     |
| Citral<br>5392-40-5  | EC50: =16mg/L (72h,<br>Desmodemus<br>subspicatus)<br>EC50: =19mg/L (96h,<br>Desmodemus<br>subspicatus) | -  | - | EC50: =7mg/L (48h,<br>Daphnia magna)      |

**Persistence and degradability** No information available.

#### Bioaccumulation

#### Component Information

| Chemical name                                     | Partition coefficient |
|---|-----------------------|
| Hexylene glycol<br>107-41-5                       | 0.14                  |
| Isopropyl alcohol<br>67-63-0                      | 0.05                  |
| Benzyl alcohol<br>100-51-6                        | 1.1                   |
| Dipropylene glycol monomethyl ether<br>34590-94-8 | -0.064                |
| Vanillin<br>121-33-5                              | 1.23                  |
| Phenethyl alcohol<br>60-12-8                      | 1.38                  |

|                             |      |
|-----------------------------|------|
| Benzyl benzoate<br>120-51-4 | 4    |
| Pinene<br>80-56-8           | 4.1  |
| Citral<br>5392-40-5         | 2.76 |

**Other adverse effects** No information available.

### 13. Disposal considerations

#### Waste treatment methods

**Waste from residues/unused products** Should not be released into the environment. Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

**Contaminated packaging** Do not reuse empty containers.

**California Hazardous Waste Status** This product contains one or more substances that are listed with the State of California as a hazardous waste.

### 14. Transport information

**Note:** The below information is applicable only to the Orange Ginger Fragrance. All other fragrances ship as 'Not Regulated'.

#### DOT

**UN/ID no** UN3082  
**Proper shipping name** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
**Transport hazard class(es)** 9  
**Packing group** III  
**Special Provisions** 8, 146, 173, 335, IB3, T4, TP1, TP29  
**DOT Marine Pollutant** I  
**Marine pollutant Description** Limonene, beta Pinene  
UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Limonene, beta Pinene), 9, III, Marine pollutant  
**Emergency Response Guide Number** 171

#### IATA

**UN number or ID number** UN3082  
**UN proper shipping name** Environmentally hazardous substance, liquid, n.o.s.  
**Transport hazard class(es)** 9  
**Packing group** III  
**IATA Technical Name** Limonene, beta Pinene  
**Special Provisions** A97, A158, A197  
**Description** UN3082, Environmentally hazardous substance, liquid, n.o.s. (Limonene, beta Pinene), 9, III  
**ERG Code** 9L

#### IMDG

**UN number or ID number** Not regulated  
UN3082  
**UN proper shipping name** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
**Transport hazard class(es)** 9  
**Packing group** III  
**EmS-No** F-A, S-F  
**Marine pollutant** P  
**Marine pollutant Description** Limonene, beta Pinene  
**Special Provisions** 274, 335, 969

**Description**

UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Limonene, beta Pinene), 9, III, Marine pollutant

**15. Regulatory information****International Inventories**

Contact supplier for inventory compliance status

**US Federal Regulations****SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

| Chemical name                                    | SARA 313 - Threshold Values % |
|--|-------------------------------|
| Isopropyl alcohol - 67-63-0                      | 1.0                           |
| Dipropylene glycol monomethyl ether - 34590-94-8 | 1.0                           |

**SARA 311/312 Hazard Categories**

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

**US State Regulations****California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations**

| Chemical name  | New Jersey | Massachusetts | Pennsylvania |
|--|------------|---------------|--------------|
| Dipropylene glycol<br>25265-71-8                     | -          | -             | X            |
| Hexylene glycol<br>107-41-5                          | X          | X             | X            |
| Isopropyl alcohol<br>67-63-0                         | X          | X             | X            |
| Benzyl alcohol<br>100-51-6                           | -          | X             | X            |
| Dipropylene glycol monomethyl<br>ether<br>34590-94-8 | X          | X             | X            |
| Ethyl butyrate<br>105-54-4                           | X          | X             | X            |

|                   |   |   |   |
|-------------------|---|---|---|
| Pinene<br>80-56-8 | X | X | X |
|-------------------|---|---|---|

**U.S. EPA Label Information**

EPA Pesticide Registration Number Not applicable

**16. Other information**

|             |                         |                       |                           |                              |
|-------------|-------------------------|-----------------------|---------------------------|------------------------------|
| <b>NFPA</b> | <b>Health hazards</b> 2 | <b>Flammability</b> 1 | <b>Instability</b> 0      | <b>Special hazards</b> -     |
| <b>HMIS</b> | <b>Health hazards</b> 2 | <b>Flammability</b> 1 | <b>Physical hazards</b> 0 | <b>Personal protection</b> X |

**Key or legend to abbreviations and acronyms used in the safety data sheet****Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

|         |                             |      |                                  |
|---------|-----------------------------|------|----------------------------------|
| TWA     | TWA (time-weighted average) | STEL | STEL (Short Term Exposure Limit) |
| Ceiling | Maximum limit value         | *    | Skin designation                 |

**Key literature references and sources for data used to compile the SDS**

Agency for Toxic Substances and Disease Registry (ATSDR)  
 U.S. Environmental Protection Agency ChemView Database  
 European Food Safety Authority (EFSA)  
 EPA (Environmental Protection Agency)  
 Acute Exposure Guideline Level(s) (AEGl(s))  
 U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act  
 U.S. Environmental Protection Agency High Production Volume Chemicals  
 Food Research Journal  
 Hazardous Substance Database  
 International Uniform Chemical Information Database (IUCLID)  
 Japan GHS Classification  
 Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)  
 NIOSH (National Institute for Occupational Safety and Health)  
 National Library of Medicine's ChemID Plus (NLM CIP)  
 National Library of Medicine's PubMed database (NLM PUBMED)  
 National Toxicology Program (NTP)  
 New Zealand's Chemical Classification and Information Database (CCID)  
 Organization for Economic Co-operation and Development Environment, Health, and Safety Publications  
 Organization for Economic Co-operation and Development High Production Volume Chemicals Program  
 Organization for Economic Co-operation and Development Screening Information Data Set  
 World Health Organization

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**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**