

**SAFETY DATA SHEET****504914 IVY BASE**

Revision Date: 08-13-2015

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Version # 01

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**1. IDENTIFICATION**

|                                      |  |
|--------------------------------------|--|
| <b>Product Description:</b>          | <b>IVY BASE</b>  |
| <b>CAS #</b>                         | <b>MIXTURE</b>   |
| <b>Other means of identification</b> |  |
| <b>Vigon Item #</b>                  | 504914   |
| <b>Recommended use</b>               | Concentrated aromatic ingredient which may be used fragrance compounds according to legal and IFRA guidelines. |
| <b>Recommended restrictions</b>      | For Manufacturing Use Only   |
| <u>Company</u>                       | <u>24 Hour Emergency Response Information</u>  |
| Vigon International, Inc.            | INFOTRAC (ACCT# 78928);  |
| 127 Airport Road                     | 1-800-535-5053 WITHIN THE U.S.A.   |
| E. Stroudsburg, PA 18301             | 1-352-323-3500 OUTSIDE THE U.S.A.  |
| For information call: 570-476-6300   |  |
| Web Site: www.vigon.com              |  |

**2. HAZARD(S) IDENTIFICATION**

|                              |   |            |
|------------------------------|---|------------|
| <b>Physical hazards</b>      | Not classified.   |            |
| <b>Health hazards</b>        | Serious eye damage/eye irritation                         | Category 1 |
| <b>Environmental hazards</b> | Hazardous to the aquatic environment,<br>acute hazard     | Category 2 |
|                              | Hazardous to the aquatic environment,<br>long-term hazard | Category 2 |

**Label elements**

|                                |  |
|--------------------------------|--|
| <b>Signal word</b>             | Danger   |
| <b>Hazard statement</b>        |  |
| H318                           | Causes serious eye damage.   |
| H401                           | Toxic to aquatic life.   |
| H411                           | Toxic to aquatic life with long lasting effects.   |
| <b>Precautionary statement</b> |  |
| <b>Prevention</b>              |  |
| P273                           | Avoid release to the environment.  |
| P280                           | Wear eye/face protection.  |
| <b>Response</b>                |  |
| P305 + P351 +<br>P338          | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P310                           | Immediately call a POISON CENTER/doctor.   |

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|  |   |
|--|---|
| P391   | Collect spillage.   |
| <b>Storage</b>                                   | Store away from incompatible materials.   |
| <b>Disposal</b>                                  |   |
| P501   | Dispose of contents/container in accordance with local/regional/national/international regulations.   |
| <b>Hazard(s) not otherwise classified (HNOC)</b> | None known.   |
| <b>Supplemental information</b>                  | 7.15% of the mixture consists of component(s) of unknown acute hazards to the aquatic environment. 6.85% of the mixture consists of component(s) of unknown long-term hazards to the aquatic environment. |

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Mixtures

| Chemical name  | Common name and synonyms   | CAS number  | %         |
|--|--|-------------|-----------|
| 4-CYCLOHEXYL-2-METHYLBUTAN-2-OL                        | 2,2- dimethyl cyclohexane propanol<br>alpha,alpha- dimethyl cyclohexane propanol                                   | 83926-73-2  | 20 - < 30 |
| 3-HEXENE,<br>1-(2-BUTEN-1-YLOXY)-, (3Z)-               | (3Z)-1-(2-buten-1-yloxy)-3-hexene  | 888744-18-1 | 5 - < 7.5 |
| 1,3-UNDECADIEN-5-YNE                                   | (3E)- undeca-1,3-dien-5-yne  | 166432-52-6 | 0.1 < 0.5 |
| 2H-1,5-BENZODIOXEPIN-3(4H)-ONE, 7-(1,1-DIMETHYLETHYL)- | 7-tert- butyl-1,5-benzodioxepin-3-one<br>7-TERT-BUTYL-1,5-BENZODIOXEPIN-3(4H)-ONE                                  | 195251-91-3 | 0.1 < 0.5 |
| DELTA-3-CARENE   | 3,7,7-TRIMETHYLBICYCLO(4.1.0)HEPT-3-ENE (±)-3- carene  | 13466-78-9  | 0.1 < 0.5 |
| PINENE ALPHA   | dextro,laevo-pin-2(3)-ene<br>2,6,6 - trimethyl bicyclo-3,1,1-2-heptene<br>4,7,7- trimethylbicyclo[3.1.1]hept-3-ene | 80-56-8     | 0.1 < 0.5 |
| PINENE BETA  | 7,7-dimethyl-4-methylidenebicyclo[3.1.1]heptane<br>(1)-6,6- dimethyl-2-methylene bicyclo(3.1.1)heptane             | 127-91-3    | 0.1 < 0.5 |
| Other components below reportable levels               |  |             | 60 - < 70 |

### 4. FIRST-AID MEASURES

|                     |   |
|---------------------|---|
| <b>Inhalation</b>   | If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. For breathing difficulties, oxygen may be necessary. Call a physician if symptoms develop or persist.  |
| <b>Skin contact</b> | Take off immediately all contaminated clothing. Get medical attention if irritation develops and persists. Wash skin thoroughly with soap and water for several minutes.  |
| <b>Eye contact</b>  | Remove contact lenses, if present and easy to do. Get medical attention if irritation develops and persists. Promptly wash eyes with plenty of water while lifting the eye lids.  |
| <b>Ingestion</b>    | Call a physician or poison control center immediately. If swallowed, rinse mouth with water (only if the person is conscious). Do not induce vomiting. If vomiting occurs, the head should be kept low so that stomach vomit doesn't enter the lungs. |



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**Most important symptoms/effects, acute and delayed** Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.

**Indication of immediate medical attention and special treatment needed** Not available.

**General information** Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

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### 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media** Water spray, fog, CO<sub>2</sub>, dry chemical, or alcohol resistant foam.

**Unsuitable extinguishing media** Do not use a solid water stream as it may scatter and spread fire.

**Specific hazards arising from the chemical** Fire may produce irritating, corrosive and/or toxic gases.

**Special protective equipment and precautions for firefighters** Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Structural firefighters protective clothing will only provide limited protection. Wear self-contained breathing apparatus with a full facepiece operated in the positive pressure demand mode when fighting fires.

**Fire fighting equipment/instructions** In case of fire and/or explosion do not breathe fumes. Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk. Water runoff can cause environmental damage. Ventilate closed spaces before entering them. Keep run-off water out of sewers and water sources. Dike for water control.

**Specific methods** Use water spray to cool unopened containers.

**General fire hazards** Static charges generated by emptying package in or near flammable vapor may cause flash fire.

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### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures** Keep unnecessary personnel away. Eliminate all sources of ignition. Avoid contact with skin or inhalation of spillage, dust or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them.



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### Methods and materials for containment and cleaning up

Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area). Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb with inert absorbent such as dry clay, sand or diatomaceous earth, commercial sorbents, or recover using pumps.

The product is immiscible with water and will spread on the water surface.

**Large Spills:** Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Prevent product from entering drains. Do not allow material to contaminate ground water system. Absorb in vermiculite, dry sand or earth and place into containers.

**Small Spills:** Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills in original containers for re-use. This material and its container must be disposed of as hazardous waste. Collect and dispose of spillage as indicated in section 13 of the SDS.

### Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid release to the environment. Retain and dispose of contaminated wash water. Contact local authorities in case of spillage to drain/aquatic environment.

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## 7. HANDLING AND STORAGE

### Precautions for safe handling

Do not handle or store near an open flame, heat or other sources of ignition. All equipment used when handling the product must be grounded. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Wash thoroughly after handling. Take precautionary measures against static discharges. Avoid breathing vapor.

### Conditions for safe storage, including any incompatibilities

Keep container closed. Handle containers with care. Open slowly in order to control possible pressure release. Store in a cool, well-ventilated area.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Occupational exposure limits

#### US. ACGIH Threshold Limit Values

| Components                      | Type | Value  |
|---------------------------------|------|--------|
| DELTA-3-CARENE (CAS 13466-78-9) | TWA  | 20 ppm |
| PINENE ALPHA (CAS 80-56-8)      | TWA  | 20 ppm |
| PINENE BETA (CAS 127-91-3)      | TWA  | 20 ppm |

### Biological limit values

No biological exposure limits noted for the ingredient(s).

### Appropriate engineering controls

Use explosion-proof ventilation equipment to stay below exposure limits. Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.



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

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| <b>Eye/face protection</b>    | Wear safety glasses with side shields (or goggles). Face shield is recommended.  |
| <b>Skin protection</b>        |  |
| <b>Hand protection</b>        | Chemical resistant gloves.   |
| <b>Other</b>                  | Use of an impervious apron is recommended.   |
| <b>Respiratory protection</b> | Respiratory protection not required. If ventilation is insufficient, suitable respiratory protection must be provided. |
| <b>Thermal hazards</b>        | Wear appropriate thermal protective clothing, when necessary.  |

**General hygiene considerations** Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

|   |                                   |
|---|-----------------------------------|
| <b>Appearance</b>                                   | Refer to Spec Sheet               |
| <b>Physical state</b>                               | Liquid.                           |
| <b>Form</b>   | Liquid.                           |
| <b>Color</b>  | Refer to Spec Sheet               |
| <b>Odor</b>   | Characteristic.                   |
| <b>Odor threshold</b>                               | Not available.                    |
| <b>pH</b>   | Not available.                    |
| <b>Melting point/freezing point</b>                 | Not available.                    |
| <b>Initial boiling point and boiling range</b>      | Not available.                    |
| <b>Flash point</b>                                  | > 200.0 °F (> 93.3 °C) Closed Cup |
| <b>Evaporation rate</b>                             | Not available.                    |
| <b>Flammability (solid, gas)</b>                    | Not applicable.                   |
| <b>Upper/lower flammability or explosive limits</b> |                                   |
| <b>Flammability limit - lower (%)</b>               | Not available.                    |
| <b>Flammability limit - upper (%)</b>               | Not available.                    |
| <b>Explosive limit - lower (%)</b>                  | Not available.                    |
| <b>Explosive limit - upper (%)</b>                  | Not available.                    |
| <b>Vapor pressure</b>                               | 0.2 mm Hg at 20 °C                |
| <b>Vapor density</b>                                | Not available.                    |
| <b>Relative density</b>                             | 0.97 at d 20/20                   |
| <b>Solubility(ies)</b>                              |                                   |
| <b>Solubility (water)</b>                           | Insoluble                         |
| <b>Partition coefficient (n-octanol/water)</b>      | Not available.                    |

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|                                  |                |
|----------------------------------|----------------|
| <b>Auto-ignition temperature</b> | Not available. |
| <b>Decomposition temperature</b> | Not available. |
| <b>Viscosity</b>                 | Not available. |
| <b>Other information</b>         |                |
| <b>Molecular formula</b>         | Not applicable |
| <b>Specific gravity</b>          | 0.97 at 25 °C  |
| <b>VOC (Weight %)</b>            | < 17 %         |

### 10. STABILITY AND REACTIVITY

|   |   |
|---|---|
| <b>Reactivity</b>                         | The product is stable and non-reactive under normal conditions of use, storage and transport. |
| <b>Chemical stability</b>                 | Material is stable under normal conditions.   |
| <b>Possibility of hazardous reactions</b> | No dangerous reaction known under conditions of normal use.                                   |
| <b>Conditions to avoid</b>                | Avoid temperatures exceeding the flash point. Contact with incompatible materials.            |
| <b>Incompatible materials</b>             | Strong oxidizing agents.  |
| <b>Hazardous decomposition products</b>   | No hazardous decomposition products if stored and handled as indicated.                       |

### 11. TOXICOLOGICAL INFORMATION

#### Information on likely routes of exposure

|                     |  |
|---------------------|--|
| <b>Inhalation</b>   | Prolonged inhalation may be harmful.                 |
| <b>Skin contact</b> | No adverse effects due to skin contact are expected. |
| <b>Eye contact</b>  | Causes serious eye damage.                           |
| <b>Ingestion</b>    | Expected to be a low ingestion hazard.               |

**Symptoms related to the physical, chemical and toxicological characteristics** Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.

#### Information on toxicological effects

##### Acute toxicity

| Components  | Species | Test Results          |
|---|---------|-----------------------|
| 1,3-UNDECADIEN-5-YNE (CAS 166432-52-6)            |         |                       |
| <b>Acute</b>                                      |         |                       |
| <i>Oral</i>                                       |         |                       |
| LD50  | Rat     | > 2000 mg/kg OECD 401 |
| 4-CYCLOHEXYL-2- METHYLBUTAN-2-OL (CAS 83926-73-2) |         |                       |
| <b>Acute</b>                                      |         |                       |
| <i>Dermal</i>                                     |         |                       |
| LD50  | Rabbit  | > 2000 mg/kg          |
| <i>Oral</i>                                       |         |                       |
| LD50  | Rat     | > 5000 mg/kg          |



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| Components                      | Species | Test Results   |
|---------------------------------|---------|--|
| DELTA-3-CARENE (CAS 13466-78-9) |         |  |
| <b>Acute</b>                    |         |  |
| <i>Oral</i>                     |         |  |
| LD50                            | Rat     | 4800 mg/kg   |
| PINENE ALPHA (CAS 80-56-8)      |         |  |
| <b>Acute</b>                    |         |  |
| <i>Dermal</i>                   |         |  |
| LD50                            | Rabbit  | > 5000 mg/kg   |
| <i>Oral</i>                     |         |  |
| LD50                            | Rat     | 3700 mg/kg<br>Remarks: Brain and Coverings:Recordings from specific areas of CNS. Behavioral:Somnolence (general depressed activity). Lungs, Thorax, or Respiration:Other changes. |

### PINENE BETA (CAS 127-91-3)

**Acute**

*Oral*

LD50

Rat

4700 mg/kg

\* Estimates for product may be based on additional component data not shown.

|   |  |
|---|--|
| <b>Skin corrosion/irritation</b>                                      | Prolonged skin contact may cause temporary irritation.   |
| <b>Serious eye damage/eye irritation</b>                              | Causes serious eye damage.   |
| <b>Respiratory or skin sensitization</b>                              |  |
| <b>Respiratory sensitization</b>                                      | Not a respiratory sensitizer.  |
| <b>Skin sensitization</b>   | This product is not expected to cause skin sensitization.  |
| <b>Germ cell mutagenicity</b>   | No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic. |
| <b>Carcinogenicity</b>  |  |
| <b>ACGIH Carcinogens</b>  |  |
| DELTA-3-CARENE (CAS 13466-78-9)                                       | A4 Not classifiable as a human carcinogen.   |
| PINENE ALPHA (CAS 80-56-8)  | A4 Not classifiable as a human carcinogen.   |
| PINENE BETA (CAS 127-91-3)  | A4 Not classifiable as a human carcinogen.   |
| <b>OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)</b> |  |
| Not listed.   |  |
| <b>Reproductive toxicity</b>  | This product is not expected to cause reproductive or developmental effects.                                     |
| <b>Specific target organ toxicity - single exposure</b>               | Not classified.  |
| <b>Specific target organ toxicity - repeated exposure</b>             | Not classified.  |

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|                            |  |
|----------------------------|--|
| <b>Aspiration hazard</b>   | Not an aspiration hazard.  |
| <b>Chronic effects</b>     | Prolonged inhalation may be harmful.   |
| <b>Further information</b> | This mixture has not been subjected to full toxicological testing. According to available data on the constituents the health classification criteria are met. |

### 12. ECOLOGICAL INFORMATION

**Ecotoxicity** Toxic to aquatic life with long lasting effects. This mixture has not been subjected to ecotoxicological testing as an entity. According to available data on the constituents the environmental classification criteria are met.

| Components  | Species |                                      | Test Results        |
|---|---------|--------------------------------------|---------------------|
| 4-CYCLOHEXYL-2- METHYLBUTAN-2-OL (CAS 83926-73-2) |         |                                      |                     |
| <b>Aquatic</b>                                    |         |                                      |                     |
| Algae   | EC50    | Algae                                | 25 mg/l, 72 hours   |
| Crustacea   | EC50    | Daphnia                              | 3.8 mg/l, 48 hours  |
| Fish  | LC50    | Fish                                 | 13 mg/l, 96 hours   |
| PINENE ALPHA (CAS 80-56-8)                        |         |                                      |                     |
| <b>Aquatic</b>                                    |         |                                      |                     |
| Crustacea   | LC50    | Daphnia magna                        | 41 mg/l, 48 hours   |
| Fish  | LC50    | Fathead minnow (Pimephales promelas) | 0.28 mg/l, 96 hours |

\* Estimates for product may be based on additional component data not shown.

**Persistence and degradability** No data is available on the degradability of this product.

**Bioaccumulative potential**

**Partition coefficient n-octanol / water (log Kow)**

PINENE ALPHA 4.83

**Mobility in soil** No data available.

**Other adverse effects** No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

### 13. DISPOSAL CONSIDERATIONS

**Disposal instructions** Do not discharge into drains, water courses or onto the ground. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

**Local disposal regulations** Dispose in accordance with all applicable regulations.

**Hazardous waste code** Not established.

**Waste from residues / unused products** Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

**Contaminated packaging** Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.



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### 14. TRANSPORT INFORMATION

#### ADN

|                            |  |
|----------------------------|--|
| UN number                  | 3082   |
| UN proper shipping name    | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (4-CYCLOHEXYL-2-METHYLBUTAN-2-OL,PINENE ALPHA) |
| Transport hazard class(es) | 9  |
| Subsidiary class(es)       | -  |
| Packing group              | III  |
| Environmental hazards      | Yes  |
| Labels required            | 9  |

#### ADR

|                            |  |
|----------------------------|--|
| UN number                  | 3082   |
| UN proper shipping name    | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (4-CYCLOHEXYL-2-METHYLBUTAN-2-OL,PINENE ALPHA) |
| Transport hazard class(es) | 9  |
| Subsidiary class(es)       | -  |
| Packing group              | III  |
| Environmental hazards      | Yes  |
| Labels required            | 9  |

#### RID

|                            |  |
|----------------------------|--|
| UN number                  | 3082   |
| UN proper shipping name    | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (4-CYCLOHEXYL-2-METHYLBUTAN-2-OL,PINENE ALPHA) |
| Transport hazard class(es) | 9  |
| Subsidiary class(es)       | -  |
| Packing group              | III  |
| Environmental hazards      | Yes  |
| Labels required            | 9  |

#### DOT

#### BULK

|                       |  |
|-----------------------|--|
| UN number             | 3082   |
| Proper shipping name  | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (4-CYCLOHEXYL-2-METHYLBUTAN-2-OL,PINENE ALPHA) |
| Hazard class          | 9  |
| Packing group         | III  |
| Environmental hazards |  |
| Marine pollutant      | Yes  |
| Packaging exceptions  | 155  |
| Packaging bulk        | 241  |
| Labels required       | 9  |

#### DOT

#### NON-BULK

Not regulated as dangerous goods.

#### IATA

Not regulated as dangerous goods.

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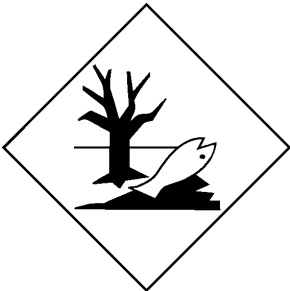
### IMDG

|  |  |
|--|--|
| UN number  | 3082   |
| UN proper shipping name  | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (4-CYCLOHEXYL-2-METHYLBUTAN-2-OL,PINENE ALPHA) |
| Transport hazard class(es)   | 9  |
| Subsidiary class(es)   | -  |
| Packing group  | III  |
| Environmental hazards  |  |
| Marine pollutant   | Yes  |
| Labels required  | 9  |
| Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code | Not applicable.  |

ADN; ADR; DOT BULK; IMDG; RID



Marine pollutant



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## 15. REGULATORY INFORMATION

**US federal regulations** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

**CERCLA Hazardous Substance List (40 CFR 302.4)**

Not listed.

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

Not listed.

**SARA 304 Emergency release notification**

Not regulated.



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### OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

### TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

### Superfund Amendments and Reauthorization Act of 1986 (SARA)

**Hazard categories**  
Immediate Hazard - Yes  
Delayed Hazard - No  
Fire Hazard - No  
Pressure Hazard - No  
Reactivity Hazard - No

### SARA 302 Extremely hazardous substance

Not listed.

**SARA 311/312 Hazardous chemical** No

### SARA 313 (TRI reporting)

Not regulated.

### Other federal regulations

#### Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

#### Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

**Safe Drinking Water Act (SDWA)** Not regulated.

### US state regulations

#### US. Massachusetts RTK - Substance List

PINENE ALPHA (CAS 80-56-8)

#### US. New Jersey Worker and Community Right-to-Know Act

PINENE ALPHA (CAS 80-56-8)

#### US. Pennsylvania Worker and Community Right-to-Know Law

PINENE ALPHA (CAS 80-56-8)

#### US. Rhode Island RTK

Not regulated.

#### US. California Proposition 65

**US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance**

Not listed.

### International Inventories

| Country(s) or region | Inventory name   | On inventory (yes/no)* |
|----------------------|--|------------------------|
| Australia            | Australian Inventory of Chemical Substances (AICS)         | No                     |
| Canada               | Domestic Substances List (DSL)                             | No                     |
| Canada               | Non-Domestic Substances List (NDSL)                        | Yes                    |
| China                | Inventory of Existing Chemical Substances in China (IECSC) | No                     |



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| Country(s) or region        | Inventory name   | On inventory (yes/no)* |
|-----------------------------|--|------------------------|
| Europe                      | European Inventory of Existing Commercial Chemical Substances (EINECS) | No                     |
| Europe                      | European List of Notified Chemical Substances (ELINCS)                 | No                     |
| Japan                       | Inventory of Existing and New Chemical Substances (ENCS)               | No                     |
| Korea                       | Existing Chemicals List (ECL)  | No                     |
| New Zealand                 | New Zealand Inventory  | No                     |
| Philippines                 | Philippine Inventory of Chemicals and Chemical Substances (PICCS)      | Yes                    |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory                          | Yes                    |

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

### 16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

**Issue date** 11-17-2015  
**Revision date** 08-13-2015  
**Version #** 01  
**HMIS® ratings** Health: 3  
Flammability: 1  
Physical hazard: 0

**Disclaimer** Vigon cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available. The above information relates only to this product and not to its use in combination with any other material or any particular process and is designed only as guidance for the safe handling, use, processing, storage, transportation, disposal, and should not be considered as a guarantee or quality specification. The above information is based on data provided by and collected from recognized sources such as distributors, manufacturers, and technical groups and is considered to be accurate to the best of Vigon's knowledge as of the date of this document. It is the responsibility of the user to review all safety information about this product and determine its safety and suitability in their own processes and operations. Appropriate warnings and safe handling procedures should be provided to all handlers and users, taking into account the intended use and the specific conditions and factors relating to such use in accordance with all applicable laws and regulations.