

# Terpaja Blast Water Soluble

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Issue date: 08/21/2025

Version: 1.0

### SECTION 1: Identification

#### 1.1. Identification

Product form : Mixture  
 Product name : Terpaja Blast Water Soluble  
 Product code : TBBV63

#### 1.2. Recommended use and restrictions on use

#### 1.3. Supplier

EXTRACT CONSULTANTS, LLC.  
 TERPENES - FLAVORS - BASES 2150  
 INDUSTRIAL DR, NILES, MI 49120  
 www.extractconsultants.com  
 INFORMATION: 1-888-541-9089

#### 1.4. Emergency telephone number

Emergency number : CHEMTREC - USA: 800-424-9300 International: +1 703-527-3887 / 1-800-424-9300  
 CCN 13010

### SECTION 2: Hazard(s) identification

#### 2.1. Classification of the substance or mixture

##### GHS US classification

|  |  |
|--|--|
| Flammable liquids, Category 2                  | Highly flammable liquid and vapour.                  |
| Skin corrosion/irritation, Category 2          | Causes skin irritation.                              |
| Serious eye damage/eye irritation, Category 2A | Causes serious eye irritation.                       |
| Skin sensitisation, Category 1                 | May cause an allergic skin reaction.                 |
| Reproductive toxicity, Category 2              | Suspected of damaging fertility or the unborn child. |

#### 2.2. GHS Label elements, including precautionary statements

##### GHS US labelling

Hazard pictograms (GHS US)



Signal word (GHS US)

: Danger

Hazard statements (GHS US)

: Highly flammable liquid and vapour.  
 Causes skin irritation.  
 May cause an allergic skin reaction.  
 Causes serious eye irritation.  
 Suspected of damaging fertility or the unborn child.

Precautionary statements (GHS US)

: Obtain special instructions before use.  
 Do not handle until all safety precautions have been read and understood.  
 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 Keep container tightly closed.  
 Ground/Bond container and receiving equipment.  
 Use explosion-proof electrical/ventilating/lighting equipment.  
 Use only non-sparking tools.  
 Take precautionary measures against static discharge.  
 Avoid breathing dust/fume/gas/mist/vapours/spray.  
 Wash hands, forearms and face thoroughly after handling.  
 Contaminated work clothing must not be allowed out of the workplace.  
 Wear protective gloves/protective clothing/eye protection/face protection.  
 If on skin: Wash with plenty of water.  
 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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If exposed or concerned: Get medical advice/attention.  
Specific treatment (see supplemental first aid instruction on this label).  
If skin irritation occurs: Get medical advice/attention.  
If skin irritation or rash occurs: Get medical advice/attention.  
If eye irritation persists: Get medical advice/attention.  
Take off contaminated clothing and wash it before reuse.  
Wash contaminated clothing before reuse.  
In case of fire: Use media other than water to extinguish.  
Store in a well-ventilated place. Keep cool.  
Store locked up.  
Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

### 2.3. Other hazards which do not result in classification

No additional information available

### 2.4. Unknown acute toxicity (GHS US)

Not applicable

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

| Name            | Product identifier  | %       | GHS US classification   |
|-----------------|---------------------|---------|---|
| ETHYL ALCOHOL   | (CAS-No.) 64-17-5   | 25 – 50 | Flam. Liq. 2, H225<br>Eye Irrit. 2A, H319   |
| D-LIMONENE      | (CAS-No.) 5989-27-5 | 1 – 5   | Flam. Liq. 3, H226<br>Skin Irrit. 2, H315<br>Skin Sens. 1B, H317<br>Asp. Tox. 1, H304   |
| GERANYL ACETATE | (CAS-No.) 105-87-3  | 1 – 5   | Skin Irrit. 2, H315<br>Skin Sens. 1B, H317  |
| BETA-PINENE     | (CAS-No.) 127-91-3  | 1 – 5   | Flam. Liq. 3, H226<br>Skin Irrit. 2, H315<br>Skin Sens. 1B, H317<br>Asp. Tox. 1, H304   |
| MYRCENE         | (CAS-No.) 123-35-3  | 1 – 5   | Flam. Liq. 3, H226<br>Skin Irrit. 2, H315<br>Eye Irrit. 2A, H319<br>Asp. Tox. 1, H304   |
| CITRAL          | (CAS-No.) 5392-40-5 | 0.1 – 1 | Skin Irrit. 2, H315<br>Eye Irrit. 2A, H319<br>Skin Sens. 1, H317  |
| GAMMA-TERPINENE | (CAS-No.) 99-85-4   | 0.1 – 1 | Flam. Liq. 3, H226<br>Repr. 2, H361<br>Asp. Tox. 1, H304  |
| P-CYMENE        | (CAS-No.) 99-87-6   | 0.1 – 1 | Flam. Liq. 3, H226<br>Acute Tox. 3 (Inhalation), H331<br>Acute Tox. 3 (Inhalation:vapour), H331<br>Repr. 2, H361<br>Asp. Tox. 1, H304 |
| ALPHA-TERPINENE | (CAS-No.) 99-86-5   | 0.1 – 1 | Flam. Liq. 3, H226<br>Acute Tox. 4 (Oral), H302<br>Eye Irrit. 2B, H320<br>Skin Sens. 1, H317<br>Asp. Tox. 1, H304                     |

Full text of hazard classes and H-statements : see section 16

## SECTION 4: First-aid measures

### 4.1. Description of first aid measures

First-aid measures general : IF exposed or concerned: Get medical advice/attention.  
First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.  
First-aid measures after skin contact : Rinse skin with water/shower. Take off immediately all contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.  
First-aid measures after eye contact : 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.  
First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

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### 4.2. Most important symptoms and effects (acute and delayed)

|                                     |  |
|-------------------------------------|--|
| Symptoms/effects after inhalation   | : No data available.                               |
| Symptoms/effects after skin contact | : Irritation. May cause an allergic skin reaction. |
| Symptoms/effects after eye contact  | : Eye irritation.                                  |
| Symptoms/effects after ingestion    | : No data available.                               |

### 4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

## SECTION 5: Fire-fighting measures

### 5.1. Suitable (and unsuitable) extinguishing media

|                                |  |
|--------------------------------|--|
| Suitable extinguishing media   | : Water spray. Dry powder. Foam. Carbon dioxide. |
| Unsuitable extinguishing media | : Do not use a heavy water stream.               |

### 5.2. Specific hazards arising from the chemical

|                  |                                       |
|------------------|---------------------------------------|
| Fire hazard      | : Highly flammable liquid and vapour. |
| Explosion hazard | : No direct explosion hazard.         |
| Reactivity       | : Highly flammable liquid and vapour. |

### 5.3. Special protective equipment and precautions for fire-fighters

|                                |   |
|--------------------------------|---|
| Firefighting instructions      | : Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection. |
| Protection during firefighting | : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.              |

## SECTION 6: Accidental release measures

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

|                  |   |
|------------------|---|
| General measures | : Stop leak if safe to do so. Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material damage. |
|------------------|---|

#### 6.1.1. For non-emergency personnel

|                      |   |
|----------------------|---|
| Protective equipment | : Wear recommended personal protective equipment.   |
| Emergency procedures | : Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray. |

#### 6.1.2. For emergency responders

|                      |   |
|----------------------|---|
| Protective equipment | : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". |
| Emergency procedures | : Evacuate unnecessary personnel. Stop leak if safe to do so.   |

### 6.2. Environmental precautions

Avoid release to the environment.

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

|                         |   |
|-------------------------|---|
| For containment         | : Absorb spilled material with sand or earth. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak without risks if possible. |
| Methods for cleaning up | : Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.   |
| Other information       | : Dispose of materials or solid residues at an authorized site.   |

### 6.4. Reference to other sections

For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

|                                   |   |
|-----------------------------------|---|
| Additional hazards when processed | : Not expected to present a significant hazard under anticipated conditions of normal use.  |
| Precautions for safe handling     | : Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapours may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray. |

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Hygiene measures : Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

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

Technical measures : Ground/bond container and receiving equipment.  
Storage conditions : Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.  
Packaging materials : Store always product in container of same material as original container.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

|   |   |
|---|---|
| <b>Terpaja Blast Water Soluble</b>                |   |
| No additional information available               |   |
| <b>MYRCENE (123-35-3)</b>                         |   |
| No additional information available               |   |
| <b>D-LIMONENE (5989-27-5)</b>                     |   |
| No additional information available               |   |
| <b>CITRAL (5392-40-5)</b>                         |   |
| <b>USA - ACGIH - Occupational Exposure Limits</b> |   |
| Local name  | Citral  |
| ACGIH OEL TWA                                     | 5 ppm (IFV - Inhalable fraction and vapor)  |
| Remark (ACGIH)                                    | TLV® Basis: Body weight eff; URT irr; eye dam. Notations: Skin; DSEN; A4 (Not classifiable as a Human Carcinogen) |
| Regulatory reference                              | ACGIH 2024  |
| <b>GERANYL ACETATE (105-87-3)</b>                 |   |
| No additional information available               |   |
| <b>BETA-PINENE (127-91-3)</b>                     |   |
| No additional information available               |   |
| <b>P-CYMENE (99-87-6)</b>                         |   |
| No additional information available               |   |
| <b>ALPHA-TERPINENE (99-86-5)</b>                  |   |
| No additional information available               |   |
| <b>GAMMA-TERPINENE (99-85-4)</b>                  |   |
| No additional information available               |   |
| <b>ETHYL ALCOHOL (64-17-5)</b>                    |   |
| No additional information available               |   |

### 8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.  
Environmental exposure controls : Avoid release to the environment.

### 8.3. Individual protection measures/Personal protective equipment

#### Personal protective equipment:

Wear recommended personal protective equipment.

#### Hand protection:

Protective gloves

#### Eye protection:

Chemical goggles or safety glasses

#### Skin and body protection:

Wear suitable protective clothing

#### Respiratory protection:

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[In case of inadequate ventilation] wear respiratory protection.



### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

|   |  |
|---|--|
| Physical state                                  | : Liquid                                   |
| Colour  | : PALE YELLOW/AMBER TO YELLOW/AMBER        |
| Odour   | : CHARACTERISTIC, MATCHING RETAINER SAMPLE |
| Odour threshold                                 | : No data available                        |
| pH  | : No data available                        |
| Melting point                                   | : Not applicable                           |
| Freezing point                                  | : No data available                        |
| Boiling point                                   | : No data available                        |
| Flash point                                     | : 15 °C                                    |
| Relative evaporation rate (butylacetate=1)      | : No data available                        |
| Flammability                                    | : Not applicable.                          |
| Vapour pressure                                 | : No data available                        |
| Relative vapour density at 20°C                 | : No data available                        |
| Relative density                                | : 0.9181 (0.9081 – 0.9281)                 |
| Solubility                                      | : Soluble.                                 |
| Partition coefficient n-octanol/water (Log Pow) | : No data available                        |
| Auto-ignition temperature                       | : No data available                        |
| Decomposition temperature                       | : No data available                        |
| Viscosity, kinematic                            | : No data available                        |
| Viscosity, dynamic                              | : No data available                        |
| Explosive limits                                | : No data available                        |
| Explosive properties                            | : No data available                        |
| Oxidising properties                            | : No data available                        |

#### 9.2. Other information

|                  |                               |
|------------------|-------------------------------|
| Refractive index | : 1.41469 (1.40469 – 1.42469) |
|------------------|-------------------------------|

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Highly flammable liquid and vapour.

#### 10.2. Chemical stability

Stable under normal conditions.

#### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

#### 10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

#### 10.5. Incompatible materials

No additional information available

#### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

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### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified  
Acute toxicity (dermal) : Not classified  
Acute toxicity (inhalation) : Not classified

| MYRCENE (123-35-3) |   |
|--------------------|---|
| LD50 oral rat      | > 11390 mg/kg bodyweight Animal: rat  |
| LD50 dermal rabbit | > 5000 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity) |

| D-LIMONENE (5989-27-5) |  |
|------------------------|--|
| LD50 oral rat          | > 2000 mg/kg bodyweight (OECD 423: Acute Oral Toxicity – Acute Toxic Class Method, Rat, Female, Experimental value, Oral, 14 day(s)) |
| LD50 dermal rabbit     | > 5000 mg/kg bodyweight (Equivalent or similar to OECD 402, 24 h, Rabbit, Read-across, Dermal, 7 day(s))                             |

| CITRAL (5392-40-5) |   |
|--------------------|---|
| LD50 oral rat      | ≈ 6800 mg/kg bodyweight Animal: rat                             |
| LD50 dermal rat    | > 2000 mg/kg bodyweight Animal: rat, Remarks on results: other: |

| GERANYL ACETATE (105-87-3) |                        |
|----------------------------|------------------------|
| LD50 oral rat              | 6300 mg/kg (Rat, Oral) |
| ATE US (oral)              | 6300 mg/kg bodyweight  |

| BETA-PINENE (127-91-3) |                        |
|------------------------|------------------------|
| LD50 oral rat          | 4700 mg/kg (Rat, Oral) |
| ATE US (oral)          | 4700 mg/kg bodyweight  |

| P-CYME NE (99-87-6)   |  |
|-----------------------|--|
| LD50 oral rat         | 4750 mg/kg (Rat, Male / female, Experimental value, Oral, 14 day(s)) |
| LD50 dermal rabbit    | > 5000 mg/kg (Rabbit, Experimental value, Dermal, 14 day(s))         |
| LC50 Inhalation - Rat | > 9.7 mg/l (5 h, Rat, Experimental value, Inhalation)                |
| ATE US (oral)         | 4750 mg/kg bodyweight  |
| ATE US (gases)        | 700 ppmv/4h  |
| ATE US (vapours)      | 9.7 mg/l/4h  |
| ATE US (dust,mist)    | 0.5 mg/l/4h  |

| ALPHA-TERPINENE (99-86-5) |                       |
|---------------------------|-----------------------|
| ATE US (oral)             | 1680 mg/kg bodyweight |

| GAMMA-TERPINENE (99-85-4) |                       |
|---------------------------|-----------------------|
| ATE US (oral)             | 3650 mg/kg bodyweight |

Skin corrosion/irritation : Causes skin irritation.  
Serious eye damage/irritation : Causes serious eye irritation.  
Respiratory or skin sensitisation : May cause an allergic skin reaction.  
Germ cell mutagenicity : Not classified  
Carcinogenicity : Not classified

| MYRCENE (123-35-3) |                                      |
|--------------------|--------------------------------------|
| IARC group         | 2B - Possibly carcinogenic to humans |

| D-LIMONENE (5989-27-5) |                      |
|------------------------|----------------------|
| IARC group             | 3 - Not classifiable |

| CITRAL (5392-40-5)                          |  |
|---|--|
| NOAEL (chronic, oral, animal/male, 2 years) | 60 mg/kg bodyweight Animal: mouse, Animal sex: male, Guideline: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies), Remarks on results: other: |

| ETHYL ALCOHOL (64-17-5) |                            |
|-------------------------|----------------------------|
| IARC group              | 1 - Carcinogenic to humans |

Reproductive toxicity : Suspected of damaging fertility or the unborn child.

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STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

| MYRCENE (123-35-3)                               |   |
|--|---|
| LOAEL (oral, rat, 90 days)                       | 250 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)                       |
| NOAEL (subchronic, oral, animal/male, 90 days)   | 500 mg/kg bodyweight Animal: mouse, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)   |
| NOAEL (subchronic, oral, animal/female, 90 days) | 250 mg/kg bodyweight Animal: mouse, Animal sex: female, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents) |

Aspiration hazard : Not classified

Viscosity, kinematic : No data available

Symptoms/effects after inhalation : No data available.

Symptoms/effects after skin contact : Irritation. May cause an allergic skin reaction.

Symptoms/effects after eye contact : Eye irritation.

Symptoms/effects after ingestion : No data available.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

| MYRCENE (123-35-3)         |   |
|----------------------------|---|
| EC50 - Crustacea [1]       | 1.47 mg/l Test organisms (species): Daphnia magna   |
| D-LIMONENE (5989-27-5)     |   |
| LC50 - Fish [1]            | 720 µg/l (Equivalent or similar to OECD 203, 96 h, Pimephales promelas, Flow-through system, Fresh water, Experimental value)                                       |
| EC50 - Crustacea [1]       | 0.307 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Semi-static system, Fresh water, Experimental value, GLP)                         |
| LC50 - Fish [2]            | 702 µg/l Test organisms (species): Pimephales promelas  |
| EC50 - Crustacea [2]       | 0.51 mg/l Test organisms (species): Daphnia magna   |
| CITRAL (5392-40-5)         |   |
| LC50 - Fish [1]            | 6.78 mg/l Test organisms (species): Leuciscus idus  |
| EC50 - Crustacea [1]       | 6.8 mg/l Test organisms (species): Daphnia magna  |
| GERANYL ACETATE (105-87-3) |   |
| LC50 - Fish [1]            | 68.12 mg/l (DIN 38412: German standard methods for the examination of water, waste water and sludge, 96 h, Leuciscus idus, Static system, Fresh water, Read-across) |
| EC50 - Crustacea [1]       | 14.1 mg/l (EU Method C.2, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, GLP)   |
| BETA-PINENE (127-91-3)     |   |
| LC50 - Fish [1]            | 0.557 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Cyprinus carpio, Semi-static system, Fresh water, Weight of evidence, Other isomer)                          |
| ErC50 algae                | 0.826 mg/l (OECD 201: Alga, Growth Inhibition Test, 48 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Weight of evidence, Other isomer)            |
| P-CYMENE (99-87-6)         |   |
| LC50 - Fish [1]            | 48 mg/l (EPA OPPTS 850.1075, 96 h, Cyprinodon variegatus, Static system, Salt water, Experimental value)  |
| EC50 - Crustacea [1]       | 3.7 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Semi-static system, Fresh water, Experimental value, GLP)                           |

### 12.2. Persistence and degradability

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| <b>D-LIMONENE (5989-27-5)</b>     |                                    |
|-----------------------------------|------------------------------------|
| Persistence and degradability     | Readily biodegradable in water.    |
| ThOD                              | 3.29 g O <sub>2</sub> /g substance |
| <b>GERANYL ACETATE (105-87-3)</b> |                                    |
| Persistence and degradability     | Readily biodegradable in water.    |
| ThOD                              | 2.6 g O <sub>2</sub> /g substance  |
| <b>BETA-PINENE (127-91-3)</b>     |                                    |
| Persistence and degradability     | Readily biodegradable in water.    |
| <b>P-CYMENE (99-87-6)</b>         |                                    |
| Persistence and degradability     | Readily biodegradable in water.    |

### 12.3. Bioaccumulative potential

| <b>D-LIMONENE (5989-27-5)</b>                   |   |
|---|---|
| BCF - Fish [1]                                  | 864.8 l/kg (BCFBAF v3.01, Pisces, QSAR, Fresh weight)   |
| Partition coefficient n-octanol/water (Log Pow) | 4.38 (Experimental value, Equivalent or similar to OECD 117, 37 °C)                             |
| Bioaccumulative potential                       | Potential for bioaccumulation (4 ≤ Log Kow ≤ 5).  |
| <b>GERANYL ACETATE (105-87-3)</b>               |   |
| BCF - Other aquatic organisms [1]               | 1500 (Estimated value)  |
| Partition coefficient n-octanol/water (Log Pow) | 4.04 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method)       |
| Bioaccumulative potential                       | Potential for bioaccumulation (4 ≤ Log Kow ≤ 5).  |
| <b>BETA-PINENE (127-91-3)</b>                   |   |
| BCF - Fish [1]                                  | 1125 l/kg (BCFBAF v3.01, Pisces, Fresh water, QSAR, Other isomer)                               |
| Partition coefficient n-octanol/water (Log Pow) | 4.425 (Similar product, Read-across, Equivalent or similar to OECD 107, 25 °C)                  |
| Bioaccumulative potential                       | Potential for bioaccumulation (4 ≤ Log Kow ≤ 5).  |
| <b>P-CYMENE (99-87-6)</b>                       |   |
| Partition coefficient n-octanol/water (Log Pow) | 4.8 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 20 °C) |
| Bioaccumulative potential                       | Potential for bioaccumulation (4 ≤ Log Kow ≤ 5).  |

### 12.4. Mobility in soil

| <b>D-LIMONENE (5989-27-5)</b>                              |  |
|--|--|
| Surface tension  | No data available in the literature                          |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) | 3.049 – 3.801 (log Koc, SRC PCKOCWIN v2.0, Calculated value) |
| Ecology - soil   | Low potential for mobility in soil.                          |
| <b>GERANYL ACETATE (105-87-3)</b>                          |  |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) | 3.06 (log Koc, SRC PCKOCWIN v2.0, Calculated value)          |
| Ecology - soil   | Low potential for mobility in soil.                          |
| <b>BETA-PINENE (127-91-3)</b>                              |  |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) | 3.009 – 3.836 (log Koc, Calculated value, Other isomer)      |
| Ecology - soil   | Low potential for mobility in soil.                          |
| <b>P-CYMENE (99-87-6)</b>                                  |  |
| Surface tension  | No data available in the literature                          |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) | 4.17 (log Koc, SRC PCKOCWIN v2.0, QSAR)                      |
| Ecology - soil   | Low potential for mobility in soil.                          |

### 12.5. Other adverse effects

No additional information available



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### SECTION 13: Disposal considerations

#### 13.1. Disposal methods

|  |   |
|--|---|
| Regional waste regulation                  | : Disposal must be done according to official regulations.                                    |
| Waste treatment methods                    | : Dispose of contents/container in accordance with licensed collector's sorting instructions. |
| Sewage disposal recommendations            | : Disposal must be done according to official regulations.                                    |
| Product/Packaging disposal recommendations | : Disposal must be done according to official regulations.                                    |
| Additional information                     | : Flammable vapours may accumulate in the container. Do not re-use empty containers.          |

### SECTION 14: Transport information

#### Department of Transportation (DOT)

In accordance with DOT

|                                      |   |
|--------------------------------------|---|
| Transport document description (DOT) | : UN1197 Extracts, liquid, 3, II                                |
| UN-No. (DOT)                         | : UN1197  |
| Proper Shipping Name (DOT)           | : Extracts, liquid  |
| Class (DOT)                          | : 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120 |
| Packing group (DOT)                  | : II - Medium Danger  |
| Hazard labels (DOT)                  | : 3 - Flammable liquid  |



|  |  |
|--|--|
| DOT Packaging Non Bulk (49 CFR 173.xxx)                          | : 202  |
| DOT Packaging Bulk (49 CFR 173.xxx)                              | : 242  |
| DOT Special Provisions (49 CFR 172.102)                          | : 149 - When transported as a limited quantity or a consumer commodity, the maximum net capacity specified in 173.150(b)(2) of this subchapter for inner packagings may be increased to 5 L (1.3 gallons).<br>IB2 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized.<br>T4 - 2.65 178.274(d)(2) Normal..... 178.275(d)(3)<br>TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling = $97 / (1 + a (tr - tf))$ Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling.<br>TP8 - A portable tank having a minimum test pressure of 1.5 bar (150 kPa) may be used when the flash point of the hazardous material transported is greater than 0 C (32 F). |
| DOT Packaging Exceptions (49 CFR 173.xxx)                        | : 150  |
| DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) | : 5 L  |
| DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)     | : 60 L   |
| DOT Vessel Stowage Location                                      | : B - (i) The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers, or one passenger per each 3 m of overall vessel length; and (ii) "On deck only" on passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) of this section is exceeded.  |
| Emergency Response Guide (ERG) Number                            | : 127  |
| Other information  | : No supplementary information available.  |

#### Transportation of Dangerous Goods

|  |                                   |
|--|-----------------------------------|
| Transport document description (TDG)       | : UN1197 EXTRACTS, LIQUID, 3, II  |
| UN-No. (TDG)                               | : UN1197                          |
| Proper Shipping Name (TDG)                 | : EXTRACTS, LIQUID                |
| TDG Primary Hazard Classes                 | : 3 - Class 3 - Flammable Liquids |
| Packing group (TDG)                        | : II - Medium Danger              |
| Explosive Limit and Limited Quantity Index | : 5 L                             |

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Passenger Carrying Road Vehicle or Passenger : 5 L  
Carrying Railway Vehicle Index

### Transport by sea

Transport document description (IMDG) : UN 1197 EXTRACTS, LIQUID, 3, II  
UN-No. (IMDG) : 1197  
Proper Shipping Name (IMDG) : EXTRACTS, LIQUID  
Class (IMDG) : 3 - Flammable liquids  
Packing group (IMDG) : II - substances presenting medium danger  
Limited quantities (IMDG) : 5 L

### Air transport

Transport document description (IATA) : UN 1197 Extracts, liquid, 3, II  
UN-No. (IATA) : 1197  
Proper Shipping Name (IATA) : Extracts, liquid  
Class (IATA) : 3 - Flammable Liquids  
Packing group (IATA) : II - Medium danger

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

#### GERANYL ACETATE (105-87-3)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

### 15.2. International regulations

#### CANADA

##### MYRCENE (123-35-3)

Listed on the Canadian DSL (Domestic Substances List)

##### D-LIMONENE (5989-27-5)

Listed on the Canadian DSL (Domestic Substances List)

##### CITRAL (5392-40-5)

Listed on the Canadian DSL (Domestic Substances List)

##### GERANYL ACETATE (105-87-3)

Listed on the Canadian DSL (Domestic Substances List)

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

Listed on the Canadian DSL (Domestic Substances List)

##### P-CYMENE (99-87-6)

Listed on the Canadian DSL (Domestic Substances List)

##### ALPHA-TERPINENE (99-86-5)

Listed on the Canadian DSL (Domestic Substances List)

##### GAMMA-TERPINENE (99-85-4)

Listed on the Canadian DSL (Domestic Substances List)

##### ETHYL ALCOHOL (64-17-5)

Listed on the Canadian DSL (Domestic Substances List)

### EU-Regulations

No additional information available

### National regulations

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### MYRCENE (123-35-3)

Listed on IARC (International Agency for Research on Cancer)  
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active  
Listed on INSQ (Mexican National Inventory of Chemical Substances)

### D-LIMONENE (5989-27-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active  
Listed on INSQ (Mexican National Inventory of Chemical Substances)

### CITRAL (5392-40-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active  
Listed on INSQ (Mexican National Inventory of Chemical Substances)

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

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active  
Listed on INSQ (Mexican National Inventory of Chemical Substances)

### P-CYMENE (99-87-6)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active  
Listed on INSQ (Mexican National Inventory of Chemical Substances)

### ALPHA-TERPINENE (99-86-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active

### GAMMA-TERPINENE (99-85-4)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active  
Listed on INSQ (Mexican National Inventory of Chemical Substances)

### ETHYL ALCOHOL (64-17-5)

Listed on IARC (International Agency for Research on Cancer)  
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active  
Listed on INSQ (Mexican National Inventory of Chemical Substances)

### 15.3. US State regulations

Prop 65 available upon request

| Component              | State or local regulations  |
|------------------------|---|
| P-CYMENE(99-87-6)      | U.S. - Massachusetts - Right To Know List; U.S. - Pennsylvania - RTK (Right to Know) List   |
| ETHYL ALCOHOL(64-17-5) | U.S. - Massachusetts - Right To Know List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List |

## SECTION 16: Other information

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Full text of H-statements:

|      |  |
|------|--|
| H225 | Highly flammable liquid and vapour.                  |
| H226 | Flammable liquid and vapour.                         |
| H302 | Harmful if swallowed.                                |
| H304 | May be fatal if swallowed and enters airways.        |
| H315 | Causes skin irritation.                              |
| H317 | May cause an allergic skin reaction.                 |
| H319 | Causes serious eye irritation.                       |
| H320 | Causes eye irritation                                |
| H331 | Toxic if inhaled.                                    |
| H361 | Suspected of damaging fertility or the unborn child. |

SDS US (GHS HazCom 2012) [Prop65]

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*