



**Product Code:** BLD-BLA

**Product Name:** Blueberry Afgoo

**Issue date** 13-Mar-2018

**Revision date** 01-Jan-2020

**Version** 3

## 1. Identification of the substance | preparation | company | undertaking

### Product identifier

**Product name** Blueberry Afgoo

### Other means of identification

**Product code** BLD-BLA

**UN/ID no** N/A

**Synonyms** N/A

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

**Recommended Use** Industry Use.

**Uses advised against** No information available

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

#### **Supplier Address**

324 Airport Industrial Dr. Ypsilanti, MI 48198

### Emergency telephone number

**Company Phone Number** Chemtrec 1-800-424-9300 Use CHEMTREC instead of Emergency Phone Number  
**Emergency telephone**

## 2. Hazard Identification

### Classification

|                                   |             |
|-----------------------------------|-------------|
| Acute toxicity - Oral             | Category 4  |
| Skin corrosion/irritation         | Category 2  |
| Serious eye damage/eye irritation | Category 2A |
| Skin sensitization                | Category 1B |
| Aspiration toxicity               | Category 1  |
| Flammable liquids                 | Category 3  |

### Label Elements

#### **DANGER**

#### **Hazard Statements:**

Harmful if swallowed

Causes skin irritation

Causes serious eye irritation

May cause an allergic skin reaction

May be fatal if swallowed and enters airways

Flammable liquid and vapor

**Appearance** Clear**Physical state** Liquid**Odor** Characteristic Odor**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Avoid breathing dust/fume/gas/mist/vapors/spray. Contaminated work clothing must not be allowed out of the workplace. Keep away from heat/sparks/open flames/hot surfaces. - 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. Wear protective gloves/eye protection/face protection.

**Precautionary Statements - Response**

Specific treatment (see .? on this label).

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 skin irritation or rash occurs: Get medical advice/attention. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower. Wash contaminated clothing before reuse.

IF SWALLOWED: Immediately call a POISON CENTER or doctor. Do NOT induce vomiting. Rinse mouth.

In case of fire: Use CO2, dry chemical, or foam to extinguish.

**Precautionary Statements - Storage**

Store locked up. Store in a well-ventilated place. Keep cool.

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant.

**Hazards not otherwise classified (HNOC)****Other Information**

- May be harmful in contact with skin
- Toxic to aquatic life with long lasting effects
- Very toxic to aquatic life

99.9508 % of the mixture consists of ingredient(s) of unknown toxicity

### 3. Composition/information on Ingredients

| Chemical Name           | CAS No.    | Weight-% |
|-------------------------|------------|----------|
| Myrcene                 | 123-35-3   | 30 - <40 |
| Ocimene                 | 13877-91-3 | 10 - <20 |
| Caryophyllene           | 87-44-5    | 10 - <20 |
| alpha Bisabolol Natural | 515-69-5   | 1 - <10  |
| Terpinolene             | 586-62-9   | 1 - <10  |
| beta-Pinene             | 127-91-3   | 1 - <10  |
| alpha-Pinene            | 80-56-8    | 1 - <10  |
| alpha-Humulene          | 6753-98-6  | 1 - <10  |
| Benzyl alcohol          | 100-51-6   | 1 - <10  |
| Raspberry Ketone        | 5471-51-2  | <0.01    |
| Maltol                  | 118-71-8   | <0.01    |
| Ethyl Iso Valerate      | 108-64-5   | <0.01    |
| Ethyl acetoacetate      | 141-97-9   | <0.01    |
| Ethylacetate            | 141-78-6   | <0.01    |
| Ethyl butyrate          | 105-54-4   | <0.01    |
| Linalool                | 78-70-6    | <0.01    |
| gamma Undecalactone     | 104-67-6   | <0.01    |
| alpha-Terpineol         | 98-55-5    | <0.01    |

\* 100% of the composition has been withheld as a trade secret.

#### 4. First Aid Measures

##### Description of first aid measures

|   |   |
|---|---|
| <b>General advice</b>                     | If symptoms persist, call a physician.  |
| <b>Eye Contact</b>                        | Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician. |
| <b>Skin contact</b>                       | Immediate medical attention is not required. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If skin irritation persists, call a physician.                 |
| <b>Inhalation</b>                         | Immediate medical attention is not required. If symptoms persist, call a physician. Move to fresh air in case of accidental inhalation of vapors or decomposition products.                                       |
| <b>Ingestion</b>                          | Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Call a physician. Do NOT induce vomiting.   |
| <b>Self-protection of the first aider</b> | Use personal protective equipment as required.  |

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

**Symptoms** No information available.

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

**Note to physicians** Treat symptomatically.

#### 5. Fire-Fighting Measures

##### Suitable Extinguishing Media

Use. Dry chemical. Carbon dioxide (CO<sub>2</sub>). Water spray (fog). Alcohol resistant foam.

**Unsuitable extinguishing media** .

##### Specific hazards arising from the chemical

Flammable. Keep product and empty container away from heat and sources of ignition. Risk of ignition.

**Hazardous combustion products** Irritating or toxic substances may be emitted upon burning, combustion, or decomposition.

##### Explosion data

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

##### Special protective actions for fire-fighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

#### 6. Accidental Release Measures

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

**Personal precautions** Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Remove all sources of ignition. Pay attention to flashback. Take precautionary measures against static discharges. Use personal protective equipment as required.

##### Environmental precautions

**Environmental precautions** Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

**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. Take precautionary measures against static discharges.

**7. Handling and Storage**

**Precautions for safe handling**

**Advice on safe handling** Use with local exhaust ventilation. All equipment used when handling the product must be grounded. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use personal protective equipment as required. Do not breathe dust/fume/gas/mist/vapors/spray. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors).

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Keep containers tightly closed in a cool, well-ventilated place. Keep away from heat. Keep in properly labeled containers.

**Incompatible materials** None known based on information supplied.

**8. Exposure Controls/Personal Protection**

**Control parameters**

**Exposure guidelines** This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

| Chemical Name            | ACGIH TLV    | OSHA PEL   | NIOSH IDLH  |
|--------------------------|--------------|--|---|
| beta-Pinene<br>127-91-3  | TWA: 20 ppm  | -  | -   |
| alpha-Pinene<br>80-56-8  | TWA: 20 ppm  | -  | -   |
| Ethylacetate<br>141-78-6 | TWA: 400 ppm | TWA: 400 ppm<br>TWA: 1400 mg/m <sup>3</sup><br>(vacated) TWA: 400 ppm<br>(vacated) TWA: 1400 mg/m <sup>3</sup> | IDLH: 2000 ppm<br>TWA: 400 ppm<br>TWA: 1400 mg/m <sup>3</sup> |

*NIOSH IDLH Immediately Dangerous to Life or Health*

**Other Information** Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

**Appropriate engineering controls**

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

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

**Eye/Face Protection** Tight sealing safety goggles.

**Skin and Body Protection** Avoid contact with skin. Wear protective gloves and protective clothing.

**Respiratory protection** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be

provided in accordance with current local regulations. Ensure adequate ventilation, especially in confined areas.

**General hygiene considerations** When using do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing is recommended.

## 9. Physical and Chemical Properties

### Information on basic physical and chemical properties

|                       |                          |                       |                     |
|-----------------------|--------------------------|-----------------------|---------------------|
| <b>Physical state</b> | Liquid                   | <b>Odor</b>           | Characteristic Odor |
| <b>Appearance</b>     | Clear                    | <b>Odor threshold</b> | Not applicable      |
| <b>Color</b>          | Colorless to Pale Yellow |                       |                     |

| <u>Property</u>                | <u>Values</u>     | <u>Remarks • Method</u> |
|--------------------------------|-------------------|-------------------------|
| pH                             | Not applicable    |                         |
| Melting point / freezing point | Not applicable    |                         |
| Boiling point / boiling range  | No data available |                         |
| Flash Point                    | 48 °C / 119 °F    |                         |
| Evaporation Rate               | Not applicable    |                         |
| Flammability (solid, gas)      | Not applicable    |                         |
| Flammability Limit in Air      |                   |                         |
| Upper flammability limit:      | Not applicable    |                         |
| Lower flammability limit:      | Not applicable    |                         |
| Vapor pressure                 | Not applicable    |                         |
| Vapor Density                  | Not applicable    |                         |
| Specific gravity               | Not applicable    |                         |
| Water solubility               | Not applicable    |                         |
| Solubility in other solvents   | Not applicable    |                         |
| Partition coefficient          | Not applicable    |                         |
| Autoignition Temperature       | Not applicable    |                         |
| Decomposition temperature      | Not applicable    |                         |
| Kinematic viscosity            | No data available |                         |
| Dynamic viscosity              | Not applicable    |                         |
| Explosive properties           | Not applicable    |                         |
| Oxidizing properties           | Not applicable    |                         |

### Other Information

|                  |                |
|------------------|----------------|
| Softening point  | not applicable |
| Molecular weight | Not applicable |
| VOC content (%)  | Not applicable |
| Density          | Not applicable |
| Bulk Density     | Not applicable |

## 10. Stability and Reactivity

No data available

### Chemical stability

Stable under recommended storage conditions.

### Possibility of Hazardous Reactions

None under normal processing.

### Conditions to avoid

Heat, flames and sparks.

### Incompatible materials

None known based on information supplied.

**Hazardous Decomposition Products**

None known based on information supplied.

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

|                     |  |
|---------------------|--|
| <b>Inhalation</b>   | Avoid breathing vapors or mists.   |
| <b>Eye Contact</b>  | Avoid contact with eyes. Causes serious eye irritation.  |
| <b>Skin contact</b> | Avoid contact with skin. Irritating to skin. May cause an allergic skin reaction. May be harmful in contact with skin. |
| <b>Ingestion</b>    | Harmful if swallowed. Potential for aspiration if swallowed.   |

**Information on toxicological effects**

**Symptoms** No information available.

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

|  |  |
|--|--|
| <b>Skin corrosion/irritation</b>         | Irritating to skin.  |
| <b>Serious eye damage/eye irritation</b> | Causes serious eye irritation.   |
| <b>Sensitization</b>                     | May cause sensitization by skin contact.   |
| <b>Germ cell mutagenicity</b>            | Not classified.  |
| <b>Carcinogenicity</b>                   | This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP. |
| <b>Reproductive toxicity</b>             | This product does not contain any known or suspected reproductive hazards above the threshold value.   |
| <b>STOT - single exposure</b>            | Not classified.  |
| <b>STOT - repeated exposure</b>          | Not classified.  |
| <b>Aspiration hazard</b>                 | May be fatal if swallowed and enters airways.  |

**Numerical measures of toxicity - Product Information**

**Unknown acute toxicity** 99.9508 % of the mixture consists of ingredient(s) of unknown toxicity  
**The following values are calculated based on chapter 3.1 of the GHS document .**

**12. Ecological Information**

This product contains a chemical which is listed as a severe marine pollutant according to DOT.

**Ecotoxicity**

Very toxic to aquatic life Toxic to aquatic life with long lasting effects

28.016 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

| Chemical Name              | Algae/aquatic plants                  | Fish  | Toxicity to Microorganisms | Crustacea                        |
|----------------------------|---------------------------------------|---|----------------------------|----------------------------------|
| alpha-Pinene<br>80-56-8    |                                       | 0.28: 96 h Pimephales promelas mg/L LC50 static   |                            | 41: 48 h Daphnia magna mg/L LC50 |
| Benzyl alcohol<br>100-51-6 | 35: 3 h Anabaena variabilis mg/L EC50 | 460: 96 h Pimephales promelas mg/L LC50 static<br>10: 96 h Lepomis macrochirus mg/L LC50 static |                            | 23: 48 h water flea mg/L EC50    |
| Ethyl acetoacetate         | 500: 72 h Desmodemus                  | 298: 96 h Pimephales  |                            | 646: 48 h Daphnia magna          |

|                          |   |  |  |   |
|--------------------------|---|--|--|---|
| 141-97-9                 | subspicatus mg/L EC50                       | promelas mg/L LC50 290: 96 h<br>Oncorhynchus mykiss mg/L LC50 307: 96 h<br>Lepomis macrochirus mg/L LC50   |  | mg/L EC50 790: 24 h<br>Daphnia magna mg/L EC50 Static |
| Ethylacetate<br>141-78-6 | 3300: 48 h Desmodemus subspicatus mg/L EC50 | 352 - 500: 96 h<br>Oncorhynchus mykiss mg/L LC50 semi-static 484: 96 h<br>Oncorhynchus mykiss mg/L LC50 flow-through 220 - 250: 96 h<br>Pimephales promelas mg/L LC50 flow-through | EC50 = 1180 mg/L 5 min<br>EC50 = 1500 mg/L 15 min<br>EC50 = 5870 mg/L 15 min<br>EC50 = 7400 mg/L 2 h | 560: 48 h Daphnia magna mg/L EC50 Static              |
| Linalool<br>78-70-6      | 88.3: 96 h Desmodemus subspicatus mg/L EC50 | 22 - 46: 96 h Leuciscus idus mg/L LC50 static  |  | 20: 48 h Daphnia magna mg/L EC50                      |

**Persistence and degradability**

No information available.

**Bioaccumulation**

No information available.

**Other adverse effects**

No information available

**13. Disposal Considerations**

**Waste treatment methods**

**Disposal of wastes** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated packaging** Do not reuse container.

**US EPA Waste Number** D001 U112

| Chemical Name            | RCRA | RCRA - Basis for Listing       | RCRA - D Series Wastes | RCRA - U Series Wastes |
|--------------------------|------|--------------------------------|------------------------|------------------------|
| Ethylacetate<br>141-78-6 |      | Included in waste stream: F039 |                        | U112                   |

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

| Chemical Name              | California Hazardous Waste Status |
|----------------------------|-----------------------------------|
| Ethylacetate<br>141-78-6   | Toxic<br>Ignitable                |
| Ethyl butyrate<br>105-54-4 | Ignitable                         |

**14. Transport Information**

**DOT**

**UN/ID no** 1197  
**Proper Shipping Name** Extracts, Flavoring, Liquid  
**Hazard Class** 3  
**Packing group** III  
**Marine pollutant** This product contains a chemical which is listed as a severe marine pollutant according to DOT.  
**Description** (alpha-Pinene)

**UN/ID no** 1197

|                             |   |
|-----------------------------|---|
| <b>Proper Shipping Name</b> | Extracts, Flavoring, Liquid   |
| <b>Hazard Class</b>         | 3   |
| <b>Packing group</b>        | III   |
| <b>UN/ID no</b>             | 1197  |
| <b>Proper Shipping Name</b> | Extracts, Flavoring, Liquid   |
| <b>Hazard Class</b>         | 3   |
| <b>Packing group</b>        | III   |
| <b>UN/ID no</b>             | 1197  |
| <b>Proper Shipping Name</b> | Extracts, Flavoring, Liquid   |
| <b>Hazard Class</b>         | 3   |
| <b>Packing group</b>        | III   |
| <b>Marine pollutant</b>     | This product contains a chemical which is listed as a severe marine pollutant according to IMDG/IMO |
| <b>Description</b>          | (alpha-Pinene)  |
| <b>UN/ID no</b>             | 1197  |
| <b>Proper Shipping Name</b> | Extracts, Flavoring, Liquid   |
| <b>Hazard Class</b>         | 3   |
| <b>Packing group</b>        | III   |
| <b>UN/ID no</b>             | 1197  |
| <b>Proper Shipping Name</b> | Extracts, Flavoring, Liquid   |
| <b>Hazard Class</b>         | 3   |
| <b>Packing group</b>        | III   |

**15. Regulatory Information**

**US Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

**SARA 311/312 Hazard Categories**

|  |     |
|--|-----|
| <b>Acute Health Hazard</b>               | Yes |
| <b>Chronic Health Hazard</b>             | No  |
| <b>Fire Hazard</b>                       | Yes |
| <b>Sudden release of pressure hazard</b> | No  |
| <b>Reactive Hazard</b>                   | No  |

**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, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

| Chemical Name            | Hazardous Substances RQs | CERCLA/SARA RQ | Reportable Quantity (RQ)                   |
|--------------------------|--------------------------|----------------|--|
| Ethylacetate<br>141-78-6 | 5000 lb                  |                | RQ 5000 lb final RQ<br>RQ 2270 kg final RQ |

**US State Regulations**

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

This product contains substance(s) regulated by state right-to-know regulations



| Chemical Name              | New Jersey | Massachusetts | Pennsylvania | Rhode Island |
|----------------------------|------------|---------------|--------------|--------------|
| Terpinolene<br>586-62-9    | X          |               |              |              |
| alpha-Pinene<br>80-56-8    | X          | X             | X            |              |
| Ethyl butyrate<br>105-54-4 | X          | X             | X            |              |
| Ethylacetate<br>141-78-6   | X          | X             | X            | X            |

**U.S. EPA Label information**

EPA Pesticide registration number Not applicable

**16. Other Information**

Issue date 13-Mar-2018

Revision date 01-Jan-2020

**Revision note**

No information available

**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. Classification and labeling according to the IFRA/IOFI Labeling Manual 2017.

**End of Safety Data Sheet**