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

Product identifier
Product name	Blue Cheese

Other means of identification
Product code	BLD-BCH
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

<table>
<thead>
<tr>
<th>Hazard</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity - Oral</td>
<td>Category 4</td>
</tr>
<tr>
<td>Skin corrosion/irritation</td>
<td>Category 2</td>
</tr>
<tr>
<td>Serious eye damage/eye irritation</td>
<td>Category 2A</td>
</tr>
<tr>
<td>Skin sensitzation</td>
<td>Category 1B</td>
</tr>
<tr>
<td>Aspiration toxicity</td>
<td>Category 1</td>
</tr>
<tr>
<td>Flammable liquids</td>
<td>Category 3</td>
</tr>
</tbody>
</table>

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
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
99.7147 % of the mixture consists of ingredient(s) of unknown toxicity

3. Composition/information on Ingredients

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

4. First Aid Measures

Description of first aid measures
Eye Contact
Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

Skin contact
Wash skin with soap and water. Wash off immediately with plenty of water. Wash contaminated clothing before reuse. Consult a physician if necessary.

Inhalation
Remove to fresh air. If breathing is difficult, give oxygen. Move to fresh air in case of accidental inhalation of vapors. If not breathing, give artificial respiration.

Ingestion
Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Do not induce vomiting without medical advice. Consult a physician if necessary.
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 extinguishing measures that are appropriate to local circumstances and the surrounding environment.

- Unsuitable extinguishing media:

**Specific hazards arising from the chemical**
Flammable.

- **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**
Ensure adequate ventilation, especially in confined areas. Avoid contact with skin, eyes and inhalation of vapors. Wear protective gloves/protective clothing and eye/face protection. Wash thoroughly after handling.

- **Environmental precautions**

- **Environmental precautions**
See Section 12 for additional Ecological Information. Do not flush into surface water or sanitary sewer system. 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**
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. Avoid breathing vapors or mists. Ensure adequate ventilation, especially in confined areas. Wash thoroughly after handling. When using do not eat, drink or smoke.

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

- **Storage Conditions**
Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Protect from sunlight. Keep locked up and out of reach of children.
Incompatible materials

None known based on information supplied.

8. Exposure Controls/Personal Protection

Control parameters

Exposure guidelines

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>NIOSH IDLH</th>
</tr>
</thead>
<tbody>
<tr>
<td>alpha-Pinene 80-56-8</td>
<td>TWA: 20 ppm</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>beta-Pinene 127-91-3</td>
<td>TWA: 20 ppm</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>delta-3-Carene 13466-78-9</td>
<td>TWA: 20 ppm</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Ethyl acetate 141-78-6</td>
<td>TWA: 400 ppm</td>
<td>TWA: 400 ppm</td>
<td></td>
</tr>
<tr>
<td></td>
<td>(vacated) TWA: 1400 mg/m³</td>
<td>(vacated) TWA: 1400 mg/m³</td>
<td>IDLH: 2000 ppm</td>
</tr>
</tbody>
</table>

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). Avoid contact with eyes.

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

Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. When using do not eat, drink or smoke. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Regular cleaning of equipment, work area and clothing is recommended. Avoid breathing (dust, vapor, mist, gas).

9. Physical and Chemical Properties

Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks • Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Liquid</td>
<td></td>
</tr>
<tr>
<td>Appearance</td>
<td>Clear</td>
<td></td>
</tr>
<tr>
<td>Color</td>
<td>Colorless to Pale Yellow</td>
<td></td>
</tr>
<tr>
<td>Odor</td>
<td>Characteristic Odor</td>
<td></td>
</tr>
<tr>
<td>Odor threshold</td>
<td>Not applicable</td>
<td></td>
</tr>
<tr>
<td>pH</td>
<td>Not applicable</td>
<td></td>
</tr>
<tr>
<td>Melting point / freezing point</td>
<td>Not applicable</td>
<td></td>
</tr>
<tr>
<td>Boiling point / boiling range</td>
<td>No data available</td>
<td></td>
</tr>
<tr>
<td>Flash Point</td>
<td>59.4 °C / 139 °F</td>
<td></td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>Not applicable</td>
<td></td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not applicable</td>
<td></td>
</tr>
<tr>
<td>Flammability Limit in Air</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Upper flammability limit:</td>
<td>Not applicable</td>
<td></td>
</tr>
<tr>
<td>Lower flammability limit:</td>
<td>Not applicable</td>
<td></td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>Not applicable</td>
<td></td>
</tr>
<tr>
<td>Vapor Density</td>
<td>Not applicable</td>
<td></td>
</tr>
</tbody>
</table>
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
Extremes of temperature and direct sunlight. 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

Inhalation Avoid breathing vapors or mists.
Eye Contact Avoid contact with eyes. Causes serious eye irritation.
Skin contact Avoid contact with skin. Causes skin irritation. May cause an allergic skin reaction. May be harmful in contact with skin.
Ingestion Harmful if swallowed. May be fatal if swallowed and enters airways.

Information on toxicological effects

Symptoms No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure
Skin corrosion/irritation: Irritating to skin.
Serious eye damage/eye irritation: Causes serious eye irritation.
Sensitization: May cause sensitization by skin contact.
Germ cell mutagenicity: Not classified.
Carcinogenicity: The table below indicates whether each agency has listed any ingredient as a carcinogen.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH</th>
<th>IARC</th>
<th>NTP</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>d-Limonene</td>
<td></td>
<td>Group 2A</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>5989-27-5</td>
<td></td>
<td>Group 3</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Legend
- IARC (International Agency for Research on Cancer)
  Group 2A - Probably Carcinogenic to Humans
  Group 3 - Not classifiable as a human carcinogen
- OSHA (Occupational Safety and Health Administration of the US Department of Labor)
  X - Present

Reproductive toxicity: This product does not contain any known or suspected reproductive hazards above the threshold value.

STOT - single exposure: Not classified.
STOT - repeated exposure: Not classified.
Aspiration hazard: May be fatal if swallowed and enters airways.

Numerical measures of toxicity - Product Information

Unknown acute toxicity: 99.7147 % 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

51.0985 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

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.

14. Transport Information

DOT

UN/ID no: 1197
BLD-BCH BLUE CHEESE N & A FA  
Revision date 18-Apr-2018

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: (Limonene)

IATA  
UN/ID no: 1197  
Proper Shipping Name: Extracts, Flavoring, Liquid  
Hazard Class: 3  
Packing group: III

IMDG  
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 IMDG/IMO  
Description: (Limonene)

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

Acute Health Hazard: Yes  
Chronic Health Hazard: No  
Fire Hazard: Yes  
Sudden release of pressure hazard: No  
Reactive Hazard: 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)

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Hazardous Substances RQs</th>
<th>CERCLA/SARA RQ</th>
<th>Reportable Quantity (RQ)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethyl acetate</td>
<td>5000 lb</td>
<td>RQ 5000 lb final RQ</td>
<td></td>
</tr>
<tr>
<td>141-78-6</td>
<td></td>
<td>RQ 2270 kg final RQ</td>
<td></td>
</tr>
</tbody>
</table>

US State Regulations

U.S. State Right-to-Know Regulations  
This product contains substance(s) regulated by state right-to-know regulations
### Chemical Name

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>New Jersey</th>
<th>Massachusetts</th>
<th>Pennsylvania</th>
<th>Rhode Island</th>
</tr>
</thead>
<tbody>
<tr>
<td>alpha-Pinene</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Benzyl alcohol</td>
<td></td>
<td>X</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Borneol</td>
<td>X</td>
<td>X</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Terpinolene</td>
<td></td>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ethyl acetoacetate</td>
<td></td>
<td>X</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>para-Cymene</td>
<td>X</td>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ethyl butyrate</td>
<td></td>
<td>X</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Ethyl acetate</td>
<td>X</td>
<td>X</td>
<td></td>
<td>X</td>
</tr>
</tbody>
</table>

### U.S. EPA Label information

**EPA Pesticide registration number**: Not applicable

### 16. Other Information

**Issue date**: 18-Apr-2018

**Revision date**: 18-Apr-2018

**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*