

## 1. PRODUCT AND COMPANY IDENTIFICATION

Product name	beta-Pinene
Product code	AI-BPINE
CAS #	127-91-3
UN/ID #	2319 (beta-Pinene)
Product use	Domestic and Industrial
Supplier	WFMed
Address	8245 Backlick Rd Unit D, Lorton VA 22079 USA
Telephone number	888-WFMED-97 (888-936-3397)
Emergency phone number	888-WFMED-97 (888-936-3397)

## 2. HAZARD(S) IDENTIFICATION

### GHS Hazard Classification

Flammable liquids - Category 3 - H226  
Aspiration hazard - Category 1 - H304  
Skin corrosion/irritation - Category 2 - H315  
Sensitisation, Skin - Category 1 - H317  
Hazardous to the aquatic environment, acute hazard - Category 1 - H400  
Hazardous to the aquatic environment, long-term hazard - Category 1 - H410

### GHS Label Elements



Pictogram  
Signal Word

Danger

### Hazard Statements

H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

### Precautionary Statements - Prevention

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/light/equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.

P261	Avoid breathing dust/fumes/gas/mist/vapours/spray.
P264	Wash face, hands and any exposed skin thoroughly after handling.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

**Precautionary Statements - Response**

P301+P310	If swallowed: Immediately call a POISON CENTER or doctor/physician.
P302+P352	If on skin: Wash with plenty of water.
P303+P361+P353	If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.
P331	Do NOT induce vomiting.
P332+P333+P313	If skin irritation or a rash occurs: Get medical advice/attention.
P362	Take off contaminated clothing.
P363	Wash contaminated clothing before reuse.
P370+P378	In case of fire: CO2, dry chemical, or foam to extinguish.
P391	Collect spillage.

**Precautionary Statements - Storage**

P403+P235	Store in a well ventilated place. Keep cool.
P405	Store locked up.

**Precautionary Statements - Disposal**

P501	Dispose of contents/container in accordance with local/regional/national/international regulation.
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**Hazards Not Otherwise Classified (HNOC)**

0% of the mixture consists of ingredient(s) of unknown toxicity.

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

Chemical Family	Aliphatic hydrocarbons	
Formula	C10H16	
<b>Product Name</b>	<b>CAS NO</b>	<b>Concentration</b>
beta-Pinene	127-91-3	100%

**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**

Remove contaminated clothing. Wash with soap and plenty of water. Consult physician if irritation occurs.

**Inhalation**

Remove from exposure and move to fresh air. If not breathing, give artificial respiration. Consult a physician.

**Ingestion**

Do NOT induce vomiting. Clean mouth with water, or dilute with milk or water. Never give anything by mouth to an unconscious person. Consult a physician immediately.

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

No data available.

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

Treat symptomatically.

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## **5. FIRE-FIGHTING MEASURES**

### **Extinguishing media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

### **Specific hazards arising from the chemical**

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

### **Special protective equipment and precautions for firefighters**

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

### **Further information**

No data available.

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## **6. ACCIDENTAL RELEASE MEASURES**

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

Ensure adequate ventilation. Use personal protective equipment. Avoid contact with skin, eyes, and inhalation of vapors. Keep people away from and upwind of spill/leak. Remove all sources of ignition. Take precautionary measures against static discharges. Evacuate personnel to safe areas.

### **Environmental precautions**

Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

### **Methods and materials for containment and cleaning up**

#### **Methods for containment**

Contain and collect spillage with non-combustible absorbent material (sand, earth, diatomaceous earth), and place in container for disposal according to local/national regulations.

#### **Methods for cleaning up**

Cover liquid spill with sand, earth or other non-combustible absorbent material. Sweep up and shovel into suitable containers for disposal.

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## **7. HANDLING AND STORAGE**

### **Precautions for safe handling**

Wear personal protective equipment. Use only in area provided with appropriate exhaust ventilation. Do not breathe vapours or spray mist. Use product only in closed system. To avoid ignition of vapours by static electricity discharge, all metal parts of the equipment must be grounded. Keep away from heat, sparks and open flame. No smoking. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours).

## Conditions for safe storage, including any incompatibilities

### Storage conditions

Keep in a dry, cool and well-ventilated place. Keep out of reach of children. Avoid direct sunlight and sources of heat or ignition. Opened containers should be carefully resealed and kept upright to prevent leakage.

### Incompatible materials

No data available.

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## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

### Control parameters

<b>Component</b>	<b>ACGIH TLV</b>	<b>OSHA PEL</b>	<b>NIOSH IDLH</b>
beta-Pinene (127-91-3)	TWA: 20 ppm	-	-

### Exposure controls

#### Engineering controls

Showers. Eyewash stations. Ensure adequate ventilation, especially in confined areas.

#### Personal protective equipment

Eye/Face protection: Avoid contact with eyes. Wear safety glasses with side shields (or goggles).

Skin/Body protection: Avoid contact with skin. Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Respiratory protection: Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### General hygiene considerations

Handle in accordance with good industrial hygiene and safety practices. Do not eat, drink or smoke when using this product. Avoid contact with skin, eyes, or clothing. Regular cleaning of equipment, work area, and clothing is recommended. Avoid breathing (dust, vapor, mist, gas).

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

Physical state	Liquid
Appearance	Colorless to almost colorless
Odor	Characteristic odor
Flash point	39 °C (102 °F)
Molecular weight	136.24
Specific gravity (@ 25°C)	0.867 - 0.871
Refractive Index (@ 25°C)	1.477 - 1.481

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## 10 . STABILITY AND REACTIVITY

### Reactivity

No dangerous reaction known under conditions of normal use.

### Chemical stability

Stable under recommended storage conditions.

**Possible hazardous reactions**

None under normal processing.

**Conditions to avoid**

Avoid direct sunlight, sparks, flame, and excessive heat.

**Incompatible materials**

None known based on information supplied.

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**Hazardous decomposition**

None known based on information supplied.

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## 11. TOXICOLOGICAL INFORMATION

**Information on toxicological effects****Acute toxicity**

No data available.

**Skin corrosion/irritation**

Irritating to skin.

**Sensitisation**

May cause sensitization by skin contact.

**Germ cell mutagenicity**

Not classified.

**Carcinogenicity**

This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

**Reproductive toxicity**

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

**Aspiration hazard**

May be fatal if swallowed and enters airways.

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## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

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

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

0% of the mixture consists of component(s) of unknown hazards to the aquatic environment.

**Persistence and degradability**

No data available.

**Bioaccumulative potential**

No data available.

**Mobility in soil**

No data available.

**Other adverse effects**

No data available.

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## 13. DISPOSAL CONSIDERATIONS

### Waste treatment methods

#### Product

Dispose of product in accordance with local regulations.

#### Contaminated packaging

Do not reuse container.

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## 14. TRANSPORT INFORMATION

### US DOT (Land)

UN/ID #	2319
Proper Shipping Name	Terpene hydrocarbons, n.o.s.
Hazard Class	3
Packing Group	III
Marine Pollutant	Yes

### IMDG/IMO (Sea)

UN/ID #	2319
Proper Shipping Name	Terpene hydrocarbons, n.o.s.
Hazard Class	3
Packing Group	III
EmS #	F-E, S-D
Marine Pollutant	Yes

### IATA/ICAO (Air)

UN/ID #	2319
Proper Shipping Name	Terpene hydrocarbons, n.o.s.
Hazard Class	3
Packing Group	III

### ADR

UN/ID #	2319
Proper Shipping Name	Terpene hydrocarbons, n.o.s.
Hazard Class	3
Packing Group	III
Classification Code	B1, IB3
Tunnel Restriction Code	T2, TP1

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## 15. REGULATORY INFORMATION

### SARA 311/312

Fire Hazard, Acute Health Hazard

### 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.

### CWA (Clean Water Act)

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

### CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the

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Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

### **US State Right-to-Know Regulations**

This product does not contain any substances regulated by state right-to-know regulations.

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## 16. OTHER INFORMATION

Creation date: 1/17/2017

Revision date: 7/28/2018

### **Disclaimer & Caution:**

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