

## 1. PRODUCT AND COMPANY IDENTIFICATION

Product name	Citronellal
Product code	AI-CTNLA
CAS #	106-23-0
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 4 - H227  
Acute toxicity, oral - Category 5 - H303  
Acute toxicity, dermal - Category 5 - H313  
Skin corrosion/irritation - Category 2 - H315  
Sensitisation, Skin - Category 1 - H317  
Serious eye damage/eye irritation - Category 2A - H319  
Hazardous to the aquatic environment, acute hazard - Category 2 - H401

### GHS Label Elements

Pictogram  
Signal Word



Warning

### Hazard Statements

H227	Combustible liquid.
H303	May be harmful if swallowed.
H313	May be harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H401	Toxic to aquatic life.

### Precautionary Statements - Prevention

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
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  
P280

Avoid release to the environment.  
Wear protective gloves/protective clothing/eye protection/face protection.

**Precautionary Statements - Response**

P302+P352  
P305+P351+P338

If on skin: Wash with plenty of water.  
If in eyes: Rinse cautiously with water for several minutes.  
Remove contact lenses if present and easy to do – continue rinsing.

P312  
P333+P313  
P337+P313  
P362  
P363  
P370+P378

Call a POISON CENTER or doctor/physician if you feel unwell.  
If skin irritation or a rash occurs: Get medical advice/attention.  
If eye irritation persists: Get medical advice/attention.  
Take off contaminated clothing.  
Wash contaminated clothing before reuse.  
In case of fire: CO2, dry chemical, or foam to extinguish.

**Precautionary Statements - Storage**

P403+P235

Store in a well ventilated place. Keep cool.

**Precautionary Statements - Disposal**

P501

Dispose of contents/container in accordance with local/regional/national/international regulation.

**Hazards Not Otherwise Classified (HNOC)**

98.99 % of the mixture consists of ingredient(s) of unknown toxicity.

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### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Family  
Formula

Aliphatic aldehyde  
C10H18O

**Product Name**  
Citronellal

**CAS NO**  
106-23-0

**Concentration**  
100%

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### 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. Remove contact lenses, if present and easy to do. If eye irritation persists, consult a physician.

**Skin Contact**

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

**Inhalation**

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

**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 if you feel unwell.

**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**

Foam, water spray (fog), 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**

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

### **Environmental precautions**

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

### **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**

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

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## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

### Control parameters

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

### 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	Clear, colorless to pale yellow
Odor	Characteristic odor
Flash point	74 °C (165 °F)
Molecular weight	138.17

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## 10 . STABILITY AND REACTIVITY

### Reactivity

No data available.

### 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.

### 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.

#### **Serious eye damage/eye irritation**

Causes serious eye irritation.

#### **Sensitization**

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**

Not classified.

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## 12. ECOLOGICAL INFORMATION

#### **Ecotoxicity**

Toxic to aquatic life.

1.2% 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)**

Not regulated.

**IMDG/IMO (Sea)**

Not regulated.

**IATA/ICAO (Air )**

Not regulated.

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## 15. REGULATORY INFORMATION

**SARA 311/312**

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 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: 1/28/2015

Revision date: 7/26/2018

**Disclaimer & Caution:**

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