

# Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Effective date: 10.11.2016

## Firefly Tiki Fuel With Citronella Or Eucalyptus Essential Oils

### SECTION 1: Identification

**Material name:** Firefly Tiki Fuel With Citronella Or Eucalyptus Essential Oils

**Product code:** Firefly Tiki Fuel With Citronella Or Eucalyptus Essential Oils

**Recommended use of the product and restriction on use:**

Fuel.



#### Manufacturer or supplier details

**Manufacturer:**

Firefly Fuel, Inc.  
1550 Global Court  
Sarasota, FL 34240 USA  
1-(888)-472-6740

**Emergency telephone number:**

**CHEMTREC**

1-800-424-9300 (US/Canada)  
+01 703-527-3887 (International)

### SECTION 2: Hazard(s) identification

**GHS classification:**

Eye irritation, category 2A.  
Skin irritation, category 2.  
Skin sensitization, category 1.  
Aspiration hazard, category 1.  
Chronic aquatic hazard, category 3.

**Label elements**

**Hazard pictograms:**



**Signal word:** Danger

**Hazard statements:**

H319 Causes serious eye irritation  
H315 Causes skin irritation  
H317 May cause an allergic skin reaction  
H304 May be fatal if swallowed and enters airways  
H412 Harmful to aquatic life with long lasting effects

**Precautionary statements:**

P261 Avoid breathing dust/fume/gas/mist/vapors/spray.  
P264 Wash 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.

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P301+P310 If swallowed: Immediately call a poison center or doctor/physician.

P302+P352 If on skin: Wash with soap and water.

P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

P321 Specific treatment (see supplemental first aid instructions on this label).

P331 Do not induce vomiting.

P333+P313 If skin irritation or a rash occurs: Get medical advice/attention.

P362 Take off contaminated clothing and wash before reuse.

P405 Store locked up.

P501 Dispose of contents and container as instructed in Section 13.

**Hazards not otherwise classified:** None

### SECTION 3: Composition/information on ingredients

Identification	Name	Wt. %
<b>CAS number:</b> 84625-32-1	Eucalyptus globulus, ext.	90-95
<b>CAS number:</b> 64742-46-7	Distillates (petroleum), hydrotreated medium	<2.5
<b>CAS number:</b> 8000-29-1	Citronella Oil	<2.5

### SECTION 4: First aid measures

#### Description of first aid measures

##### After inhalation:

Loosen clothing as necessary and position individual in a comfortable position.  
Maintain an unobstructed airway.  
Get medical advice/attention if you feel unwell.

##### After skin contact:

Take off all contaminated clothing.  
Gently blot or brush away excess product.  
Wash with plenty of lukewarm, gently flowing water.  
Get medical advice if skin irritation occurs or you feel unwell.

##### After eye contact:

Rinse eyes cautiously with lukewarm, gently flowing water for several minutes, while holding the eyelids open.  
Remove contact lenses, if present and easy to do so.  
Continue rinsing for 15-20 minutes.  
Get medical advice if eye irritation persists.

##### After swallowing:

Rinse mouth thoroughly.  
Seek medical attention if irritation, discomfort, or vomiting persists.

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

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### Acute symptoms:

No information available.

### Delayed symptoms:

No information available.

### Immediate medical attention and special treatment:

No information available.

## SECTION 5: Firefighting measures

### Extinguishing media

#### Suitable extinguishing media:

Use appropriate fire suppression agents for adjacent combustible materials or sources of ignition.

#### Unsuitable extinguishing media:

No information available.

### Specific hazards during fire-fighting:

Thermal decomposition can lead to release of irritating gases and vapors.

### Special protective equipment for firefighters:

Use typical firefighting equipment, self-contained breathing apparatus, special tightly sealed suit.

### Additional information:

None

## SECTION 6: Accidental release measures

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

Ensure adequate ventilation.

Ensure air handling systems are operational.

Wear protective eye wear, gloves and clothing.

### Environmental precautions:

Should not be released into the environment.

Prevent from reaching drains, sewer or waterway.

### Methods and material for containment and cleaning up:

Wear protective eye wear, gloves and clothing.

Absorb with non-combustible liquid-binding material (sand, diatomaceous earth (clay), acid binders, universal binders).

Dispose of contents / container in accordance with local regulations.

### Reference to other sections:

None

## SECTION 7: Handling and storage

### Precautions for safe handling:

Use only with adequate ventilation.

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Avoid breathing mist or vapor.

Do not eat, drink, smoke or use personal products when handling chemical substances.

### Conditions for safe storage, including any incompatibilities:

Keep container tightly sealed.

Protect from freezing and physical damage.

Store in a cool, well-ventilated area.

## SECTION 8: Exposure controls/personal protection

### Components with workplace control parameters:

#### Appropriate engineering controls:

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of use or handling.

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapor and mists below the applicable workplace exposure limits (Occupational Exposure Limits-OELs) indicated above.

#### Respiratory protection:

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

#### Eye protection:

Safety goggles or glasses, or appropriate eye protection.

#### Skin and body protection:

Select glove material impermeable and resistant to the substance.

Wear appropriate clothing to prevent any possibility of skin contact.

#### General hygienic measures:

Avoid contact with skin, eyes and clothing.

Wash hands before breaks and at the end of work.

Wash contaminated clothing before reuse.

## SECTION 9: Physical and chemical properties

<b>Appearance (physical state, color):</b>	Light yellow oil	<b>Explosion limit lower: Explosion limit upper:</b>	Not determined or not available. Not determined or not available.
<b>Odor:</b>	Pleasant	<b>Vapor pressure:</b>	Not determined or not available.
<b>Odor threshold:</b>	Not determined or not available.	<b>Vapor density:</b>	Not determined or not available.
<b>pH-value:</b>	Not determined or not available.	<b>Relative density:</b>	Not determined or not available.
<b>Melting/Freezing point:</b>	-40°F (Estimate)	<b>Solubilities:</b>	Insoluble in water.
<b>Boiling point/range:</b>	>175°C(347°C)	<b>Partition coefficient (n-octanol/water):</b>	Not determined or not available.

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<b>Flash point (closed cup):</b>	>101°C (213.8°F) - Closed cup	<b>Auto/Self-ignition temperature:</b>	Product is not self-igniting.
<b>Evaporation rate:</b>	Not determined or not available.	<b>Decomposition temperature:</b>	Not determined or not available.
<b>Flammability (solid, gaseous):</b>	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.	<b>Dynamic viscosity:</b>	Not determined or not available.
<b>Density:</b>	0.80±.03 g/cm <sup>3</sup>	<b>Kinematic viscosity:</b>	Not determined or not available.

### SECTION 10: Stability and reactivity

**Reactivity:**

Does not react under normal conditions of use and storage.

**Chemical stability:**

Stable under normal conditions of use and storage.

**Possibility of hazardous reactions:**

Reacts violently with oxidizing agents.

Can form explosive mixtures in air if heated above flash point and/or when sprayed or atomised.

**Conditions to avoid:**

Excess heat. Keep ignition sources away - Do not smoke.

**Incompatible materials:**

Strong oxidizing agents.

**Hazardous decomposition products:**

Thermal decomposition can lead to release of oxides of carbon and irritating gases.

### SECTION 11: Toxicological information

**Exposure routes:**

No information available.

**Acute toxicity:**

No information available.

**Skin corrosion/irritation:**

No information available.

**Serious eye damage/irritation:**

No information available.

**Respiratory or skin sensitization:**

No information available.

**Carcinogenicity:**

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**Distillates (petroleum), hydrotreated medium:** According to Note N of ECHA Annex VI of Regulation (EC) No 1272/2008 (CLP Regulation), The classification as a carcinogen need not apply if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen.

**IARC (International Agency for Research on Cancer):**

None of the ingredients are listed.

**NTP (National Toxicology Program):**

None of the ingredients are listed.

**Germ cell mutagenicity:**

No information available.

**Reproductive toxicity:**

No information available.

**STOT-single and repeated exposure:**

No information available.

**Aspiration toxicity:**

No information available.

**Additional toxicological information**

No information available.

### SECTION 12: Ecological information

**Ecotoxicity:**

Eucalyptus globulus, ext.: Fish, LC50 (4 days): 280 - 57,000 µg/L.

Eucalyptus globulus, ext.: Fish, EC50 (4 days): 179 µg/L.

**Persistence and degradability:**

No information available.

**Bioaccumulative potential:**

No information available.

**Mobility in soil:**

No information available.

**Other adverse effects:**

No information available.

### SECTION 13: Disposal considerations

**Disposal methods:**

It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities.

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### SECTION 14: Transportation information

#### Land transport:

##### DOT (49 CFR) transport

<b>UN Number:</b>	Not Regulated
<b>UN Proper shipping name:</b>	Not Regulated
<b>UN Transport hazard classes:</b>	
<b>Packing group:</b>	None
<b>Danger label:</b>	None
<b>Environmental hazards:</b>	None
<b>Special precautions for user:</b>	None

#### Air transport:

##### IATA-DGR

<b>UN Number:</b>	Not Regulated
<b>UN Proper shipping name:</b>	Not Regulated
<b>UN Transport hazard classes:</b>	
<b>Packing group:</b>	None
<b>Danger label:</b>	None
<b>Environmental hazards:</b>	None
<b>Special precautions for user:</b>	None

#### Sea transport:

##### IMDG

<b>UN Number:</b>	Not Regulated
<b>UN Proper shipping name:</b>	Not Regulated
<b>UN Transport hazard classes:</b>	
<b>Packing group:</b>	None
<b>Danger label:</b>	None
<b>EMS code:</b>	None
<b>Environmental hazards:</b>	None

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Special precautions for user: None

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable

### SECTION 15: Regulatory information

#### North American

**SARA Section 311/312 (Specific toxic chemical listings):**

Acute,Chronic

**SARA Section 302 (Extremely hazardous substances):**

None of the ingredients are listed.

**SARA Section 313 (Specific toxic chemical listings):**

None of the ingredients are listed.

**TSCA (Toxic Substances Control Act):**

84625-32-1 Eucalyptus globulus, ext.: not listed.

64742-46-7 Distillates (petroleum), hydrotreated medium: listed.

8000-29-1 Citronella Oil: listed.

**TSCA Rules and Orders:**

Not applicable.

**Proposition 65 (California):**

**Chemicals known to cause cancer:**

None of the ingredients are listed.

**Chemicals known to cause reproductive toxicity for females:**

None of the ingredients are listed.

**Chemicals known to cause reproductive toxicity for males:**

None of the ingredients are listed.

**Chemicals known to cause developmental toxicity:**

None of the ingredients are listed.

#### Canada

**DSL (Canadian Domestic Substances List):**

84625-32-1 Eucalyptus globulus, ext.: not listed.

64742-46-7 Distillates (petroleum), hydrotreated medium: listed.

8000-29-1 Citronella Oil: listed.

### SECTION 16: Other information

**Abbreviations and Acronyms:** None

This product has been classified in accordance within GHS guidelines. The information provided in this SDS is correct, to the best of our knowledge, based on information available. The information given is designed only as a guidance for safe handling, use, storage, transportation and disposal 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, unless specified in the text. The responsibility to provide a safe workplace remains with the user.

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**NFPA:** 3-1-0

**HMIS:** 3-1-0