



# MATERIAL SAFETY DATA SHEET

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## SECTION 1 - IDENTIFICATION

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**Manufacturer:** Summit Environmental Corporation, Inc.  
**Address:** 133 E Tyler Street, Longview TX 75601  
**Trade Name:** FlameOut® Fire Suppressor

**Product:** Class A/B/D Fire Suppressing Agent  
**Emergency Phone:** (800) 522-7841      **Date Prepared:** February 11, 2003  
**Information Phone:** (800) 522-7841      **MSDS Control:** fFLAME

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## SECTION II - INGREDIENTS AND HAZARD CLASSIFICATION

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Ingredients (CAS)	Percent OSHA PEL/TLV
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Health and environmental testing shows very low hazard levels. No components of this product are believed to be hazardous, are listed in the NIOSH Recommendations for Occupational Safety and Health Standards, 1988, or are listed as hazardous by SARA, CERCLA, or RCRA. No OSHA PELs are established for any of the ingredients.

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## SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

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**Boiling Point (°F):** 212°F      **Vapor Pressure (mm Hg)** Same as water.  
**Solubility In Water:** 100%      **Specific Gravity:** 1.09 @ 60°F      **pH:** 8  
**Appearance and Odor:** Straw colored liquid, mild lemon smell. (Note: Contains no d-limonenes.)

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## SECTION IV - FIRE AND EXPLOSION DATA

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**Flash Point:** Not applicable.      **Flammable Limits:** Not applicable.  
**LEL:** Not applicable.      **UEL:** Not applicable.  
**Extinguishing Media:** Not applicable.  
**Special Fire Fighting Procedures:** None.  
**Unusual Fire and Explosion Hazards:** None.

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## SECTION V - REACTIVITY DATA

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**Stability:** Stable.      **Incompatibility:** None.  
**Hazardous Decomposition Products:** Carbon monoxide and carbon dioxide.  
**Hazardous Polymerization:** Will not occur.

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**SECTION VI - HEALTH HAZARD DATA**

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**Exposure Limits**

**OSHA PEL:** Not established.                      **ACGIH TEL:** Not established.

**Routes of Entry**

**Eyes:** May cause mild irritation

**Ingestion:** Not expected route of injury

**Inhalation:** May cause very mild irritation

**Skin:** May cause mild irritation

**Signs and Symptoms of Exposure**

Watering of eyes; reddening of skin

**First Aid**

**Eyes:** Flush eyes with large amounts of water for at least 15 minutes. If irritation persists, seek medical aid.

**Skin:** Flush affected area and wash with water; use hand cream.

**Inhalation:** Remove to fresh air

**Ingestion:** Monitor. If diarrhea or nausea occurs, consult a physician.

**Carcinogenicity**

**NTP?**                      No.                      **IARC?** No.                      **OSHA Regulated?**                      No.

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**SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE**

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**Spill or Leak Procedures**

Collect with absorbent material or pick up mechanically. Rinse affected area with water.

**Waste Disposal Method**

Dispose as non-hazardous waste in accordance with local regulations.

**Storage and Handling Precautions**

Store at ambient temperature in closed container to prevent evaporation. May be stored in temperatures to -5°C without freezing. If frozen by lower temperatures, allow to thaw at room temperature; product will not be damaged.

**Other Precautions**

Although components have very low hazard levels, the product will remove oils from the skin similar to common soap.

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**SECTION VIII - CONTROL MEASURES**

### **Respiratory Protection**

Not required.

### **Ventilation**

Under ordinary conditions of use for its intended purpose, no special ventilation is required.

### **Protective Gloves**

Wear if doing prolonged application. Gloves not required for incidental contact.

### **Eye Protection**

Use safety glasses with side shields, or goggles when handling concentrate.

### **Work/Hygienic Practices**

Observe standard general work practices regarding ingestion, eye contact, and inhalation. Wash after using if there is reasonable probability of contact with the chemical. Promptly remove any non-impervious clothing that becomes wet.

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## **SECTION IX - ENVIRONMENTAL DATA**

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### **Aquatic Toxicity Testing**

In accordance with U.S. EPA Office of Pollution Prevention and Toxins criteria for ranking the acute toxicity of chemicals in the aquatic environment, FlameOut® is considered to be of low concern.

- 96 hour acute toxicity versus freshwater alga (Selena strum capricornutum) IAW 40 CFR 797.1050 showed FlameOut® was algicidal at concentrations above 750 ppm.

- 96 hour acute toxicity versus juvenile rainbow trout (Onchorynchus mykiss) IAW 49 CFR 797.1400 showed an LC<sub>50</sub> of 105 ppm.

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- 48 hour acute toxicity versus water fleas (Daphnia Pulex) less than 24 hours old IAW 40 CFR 797.1300 showed an LC<sub>50</sub> of 159 ppm.

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## **SECTION X - HAZARD CLASSIFICATION**

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<b>IMO Hazard Class and Number</b>	Non-hazardous.	<b>UN Number</b>	Not applicable.
<b>US DOT Hazard Class</b>	Not regulated by DOT	<b>US DOT Identification Number</b>	Not applicable.

*The information presented in this MSDS is believed to be factual. However, nothing contained in this information is to be taken as a warranty of any kind by Summit Environmental Corporation, Inc. The user should review any recommendations in the specific context of the intended use to determine whether they are appropriate.*