



MATERIAL SAFETY DATA SHEET

SECTION I - IDENTIFICATION

Manufacturer: Summit Environmental Corporation, Inc.
Address: 210 S Green 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

SECTION II - INGREDIENTS AND HAZARD CLASSIFICATION

Ingredients (CAS) **Percent OSHA PEL/TLV**

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.

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

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.)

SECTION IV - FIRE AND EXPLOSION DATA

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.

SECTION V - REACTIVITY DATA

Stability: Stable. **Incompatibility:** None.
Hazardous Decomposition Products: Carbon monoxide and carbon dioxide.

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SECTION VI - HEALTH HAZARD DATA

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.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

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.

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.

SECTION IX - ENVIRONMENTAL DATA

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 (Onchorhynchus mykiss) IAW 49 CFR 797.1400 showed an LC₅₀ of 105 ppm.

- 48 hour acute toxicity versus water fleas (Daphnia Pulex) less than 24 hours old IAW 40 CFR 797.1300 showed an LC₅₀ of 159 ppm.

SECTION X - HAZARD CLASSIFICATION

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