



# MATERIAL SAFETY DATA SHEET

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## SECTION I – IDENTIFICATION

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**Manufacturer:** Summit Environmental Corporation, Inc.

**Address:** 12264 El Camino Real, Suite 400,  
San Diego, CA 92130 (transitioning from Texas)

**Emergency Phone:** (800) 522-7841

**Information Phone:** (800) 522-7841

**Trade Name:** FlameOut®

**Date Prepared:** January 30, 2007

**Product:** Class A/B Firefighting Agent

**MSDS Control:** fFlame

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## SECTION II – INGREDIENTS AND HAZARD CLASSIFICATION

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**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.

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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

**Appearance and Odor:** Straw colored liquid, mild lemon smell. (note: contains no d-limonenes.)  
**pH:** 8

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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:** No applicable.

**Extinguishing Media:** Not applicable.

**Unusual Fire and Explosion Hazards:** None.

**Special Fire Fighting Procedures:** 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.

**Inhalation:** May cause mild irritation.

**Ingestion:** Not expected route of injury.

**Skin:** May cause mild irritation.



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## 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?** Not listed.

**IARC?** Not listed.

**OSHA Regulated?** Not listed.

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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

During prolonged periods of storage, keep product stored in a sturdy leak-proof container, in a dark space at room temperature (68°F to 72°F). Product may be exposed to temperatures between 32°F and 120°F without deterioration. If product is frozen, it should be allowed to thaw at room temperature. Repeated temperature extremes should be avoided.

### 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

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### Respiratory Protection

Not required.

### Ventilation

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

### Protective Gloves

Wear during prolonged contact. 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.



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## SECTION IX – ENVIRONMENTAL DATA

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### **Aquatic & Mammalian 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.

The mammalian toxicity tests completed in accordance with Forest Service Specification 5100-307, report that the FlameOut concentrate and FlameOut solution have acceptable LD<sub>50</sub> levels greater than 5,050 mg/kg of body weight.

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## SECTION X – HAZARD CLASSIFICATION

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**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.*