



MATERIAL SAFETY DATA SHEET

SECTION I - IDENTIFICATION

Manufacturer: Summit Environmental Corporation, Inc.
Address: 521 Delia Dr., Longview TX 75601
Trade Name: FirePower 911™ Fire Suppressor

Product: Rated Aerosol Fire Extinguisher

Emergency Phone: (800) 522-7841

Date Prepared: December 15, 2001

Information Phone: (800) 522-7841

MSDS Control: FLAME

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.

Hazardous Polymerization: Will not occur.

SECTION VI - HEALTH HAZARD DATA

Exposure Limits

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

Routes of Entry

Inhalation: Yes **Skin:** Yes **Ingestion:** Yes

Signs and Symptoms of Exposure

Eyes: Hazard evaluated very low. Eye testing on albino rabbits in a 7 day test showed low levels of corneal irritation after 48 hours with full recovery by day 7, very low levels of iris irritation with complete recovery in 72 hours, moderate conjunctiva irritation after 24 hours with complete recovery by day 7, low to moderate lid swelling with complete recovery by day 7, and extremely low discharge with complete recovery in 72 hours.

Skin: Negligible hazard. Not a primary skin irritant. Liquid is neutral with a pH of 8. Dermal irritation testing for 72 hours on albino rabbits showed no erythema and no edema.

Inhalation: Hazard evaluated very low.

Ingestion: Hazard is extremely low. Material is considered non-toxic. Nausea or diarrhea could occur in extreme cases. Screening tests on rats did not induce any mortality following oral administration at 5,000 mg/l. Oral LD₅₀ value is considered to be greater than 5,000 mg/l.

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 mild soap and water.

Inhalation: Remove to fresh air; give CPR if unconscious.

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

Wear if needed to prevent reasonable probability of eye contact.

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 Product ships as ORM-D Air **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.