

# COLD FIRE®

## Fire Suppressing Agent

### Safety Data Sheet

Cold Fire is an environmentally friendly fire suppressing agent, specially designed to extinguish Class A, B, and D fires. Cold Fire has a rapid cooling effect, which provides rapid extinguishment, prevention of re-ignition, and the encapsulation of hydrocarbons. The product is safe to store, handle and use, leaves virtually no residue and is environmentally friendly, non-toxic, non-corrosive, and biodegradable.

#### SECTION 1 - IDENTIFICATION

**Manufacturer:** Firefreeze Worldwide, Inc.  
**Address:** 272 Route 46 E., Rockaway, N.J. 07866  
**Phone:** (973) 627-0722 **Fax:** (973) 627-2982 **Email:** Info@firefreeze.com  
**Formulation:** CF302  
**Trade Name:** Cold Fire  
**Product Usage:** Class A, B, D & K fire suppressant agent.  
Not recommended for Class C fires

#### SECTION 2- HAZARD IDENTIFICATION

**HMIS RATING:** Health: 0 Flammability: 0 Reactivity: 0

Product may be slippery in concentration form.

No components are believed to be hazardous or listed in the NIOSH Recommendations for Occupational Safety and Health Standards, 1988, or are listed as hazardous by SARA, CERCLA, or RCRA. No OSHA PEL's are established for any of the ingredients.

#### SECTION 3 – COMPOSITION

**Components are classified trade secret.**

Cold Fire is an environmentally friendly fire suppressing agent composed of natural water based surfactants and other natural plant based ingredients. Cold Fire is a clear liquid with a fresh smell that leaves no residue and biodegrades in 21 days.

#### SECTION 4 – FIRST AID

**Skin:** Rinse with water.

**Eyes:** Immediately flush eyes with water.

**Inhalation:** Negligible

**Ingestion:** Not considered to be orally toxic.

#### SECTION 5 – FIRE FIGHTING MEASURES

**Non flammable:** Water based product, will not ignite.

#### SECTION 6 – ACCIDENTAL RELEASE

**Spill or Leak Procedure:** Rinse affected area with water.

**Waste Disposal Method:** Dispose as non-hazardous waste in accordance with local regulations.

## SECTION 7 - HANDLING AND STORAGE

**Respiratory Protection:** Not required

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

**Protective Gloves:** Wear if there is prolonged skin contact.

**Eye Protection:** Wear if needed to prevent reasonable probability of eye contact.

**Storage and Handling Precautions:** Store in temperatures from 32°F to 120°F in closed containers to prevent evaporation and deterioration. Freezing will not damage material as long as container remains intact.

## SECTION 8 – EXPOSURE CONTROL MEASURES

Avoid prolonged skin contact with concentrate, wash hands after handling. Wear eye protection where required.

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

**Boiling Point:** 212°F.

**Vapor Pressure (mm Hg):** Same as water.

**Solubility in water:** 100%

**Specific Gravity:** 1.02 @ 60°F.

**pH:** ~6.8 (concentrate) Neutral when diluted

**Appearance and Odor:** Clear liquid, fresh smell

## SECTION 10 – STABILITY AND REACTIVITY

**Stability:** Product is stable

**Incompatibility:** None

**Hazardous Polymerization:** Will not occur.

**Hazardous Decomposition Products:** Carbon monoxide and carbon dioxide.

## SECTION 11- TOXICOLOGICAL INFORMATION

**Biodegradability:** Product is 100% biodegradable in an active environment within 21 days.

**Toxicity:** In accordance with U.S. EPA Office of Pollution Prevention and Toxics criteria for ranking the acute toxicity of chemicals in the aquatic environment, ColdFire 302 is considered to be of low concern.

96 hour acute toxicity versus freshwater alga (*Selenastrum capricornutum*) IAW 40 CFR 797.1050 showed ColdFire 302 was algicidal at concentrations above 750 ppm.

96 hour acute toxicity versus juvenile rainbow trout (*Oncorhynchus mykiss*) IAW 49 CFR 797.1400 showed an LC50 of 105 ppm.

## SECTION 12 - ECOLOGICAL INFORMATION

No data available

## SECTION 13 - DISPOSAL CONSIDERATIONS

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

## SECTION 14 - TRANSPORT INFORMATION

**NMFC CODE:** 69160

**US DOT Hazard Class:** Not regulated by DOT

**US DOT Identification Number:** Not applicable.

## SECTION 15 - REGULATORY INFORMATION

**NEPA-18:** UL Classified Wetting Agent 2N75

**EPA SNAP:** Significantly new alternative policy program, listed by the EPA as a substitute for Halon 1211.

## SECTION 16 – OTHER INFORMATION

**Preparation / Revision Date:** January 5, 2020 – Rev. 1.0

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