



# SAFETY DATA SHEET

## Section 1: Identification

**Product Name:** Fire S.O.S. PRO™

**Other Name/Use and Restrictions:** Patented, non-toxic, non-corrosive, 100% organic, biodegradable fire-suppressing agent designed to extinguish Lithium-Ion Class L fire in marine environments.

**Company:** Specialty Fire Solutions

**In emergency call 911.**

**For information about this SDS, contact phone #: 562-726-6330**

## Section 2: Hazard(s) Identification

**Hazard Classification:** This chemical mixture is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1919.1200)

**Signal Word(s):** Not a hazardous substance or mixture

**Hazard Statements:** Not a hazardous substance or mixture

**Description of other hazards:** None known

## Section 3: Composition/ Information on Ingredients

Chemical Name	Synonym	CAS#	Conc.*
Phenoxyethanol	Ethylene Glycol Monophenyl Ether	122-99-6	<1%
Bio-based Surfactant Blend	Proprietary	Proprietary	0.5%-40%
Bio-based Ingredients	Proprietary	Proprietary	1-40%

*\*Exact Concentration withheld as trade secret  
All Ingredients are listed on EPA Safer Choice List*

#### Section 4: First-Aid Measures

**After skin contact:** Generally, the product does not irritate the skin. The product will remove oils from skin similar to common soap.

**After eye contact:** Rinse opened eye for several minutes under running water

**After inhalation:** Supply fresh air; consult physician in case of complaints

**After swallowing:** If symptoms persist consult physician

#### Section 5: Fire-Fighting Measures

**Suitable extinguishing agents:** This product. is used as an extinguishing agent and, therefore, is not a problem when trying to control a fire. Use extinguishing agent appropriate to other materials involved.

**Special protective equipment for firefighters:** No special measures required for the product, wear protective clothing and self-contained breathing apparatus as appropriate for specific fire conditions.

**Flammable Limits:** Non-Flammable

#### Section 6: Accidental Release Measures

**Personal precautions:** None required.

**Measures for environmental protection:** Dilute with plenty of water.

**Spill or Leak Procedures:** Rinse the affected area with water. Product is water soluble and foam layer dissipates without leaving residue. Product biodegrades rapidly.

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

#### Section 7: Handling and Storage

**Handling:** Fire S.O.S. Pro™ is neutral. It will remove oil from the skin and may not irritate the eyes if sprayed directly into them. When handling bulk concentrate, no special precaution is required, skin contact is ok.

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

**Other Precautions:** Although components have low hazard levels, the product will remove oils like the common soap from the skin.

#### Section 8: Exposure Controls/Personal Protection

Chemical Name	OSHA PEL	OSHA PEL (ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
No hazardous components in product				

**General protective and hygienic measures:** Normal work wear

**Breathing equipment:** None required

**Protection of hands:** None required; use chemical-resistant gloves if there is anticipation of prolonged skin contact.

**Eye protection:** safety glasses as needed to prevent reasonable probability of eye contact.

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

**Potential routes of exposure/potential health effects**

**Skin:** Yes, can cause skin irritation similar to soap

**Eye:** Yes, causes eye irritation similar to soap

**Inhalation:** No relevant studies identified

**Ingestion:** No relevant studies identified

**Carcinogenic effects:** Not considered carcinogenic by NTP, IARC, and OSHA.

**Mutagenic effects:** No relevant studies identified

**Reproductive toxicity:** No relevant studies identified

**Section 9: Physical and Chemical Properties**

**Appearance:** Clear white liquid

**Odor:** Mild, pleasant fresh smell

**Odor threshold:** None

**pH:** Neutral

**Melting point/melting range:** No data available

**Boiling point/boiling range:** 212 degrees C

**Flash point:** Negligible

**Evaporation rate:** No data available

**Flammability:** Not applicable

**Upper/lower flammability or explosive limits:** Not applicable

**Auto ignition temperature:** Not applicable

**Danger of explosion:** Not applicable

**Viscosity:** < 400 Cps @ 20 degrees C

**Specific gravity:** 1.05@ 60 F

**Solubility in/Miscibility with water:** 100% soluble, same as water

**Dispersant Capability:** Low, Treated oils are not dispersed in water

## Section 10: Stability and Reactivity

**Reactivity:** None known, based on information available

**Chemical stability:** Stable under normal conditions

**Conditions to avoid:** Contact with incompatible materials

**Incompatible materials:** Not expected

**Hazardous decomposition products:** Carbon Oxides

**Hazardous Polymerization:** Not expected to occur

## Section 11: Toxicological Information

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
Ethylene glycol monophenyl ether	1850 mg/kg (Rat)	5 mL/kg (Rabbit)	>0.057 mg/L (Rat) 8Hr

Aquatic Toxicity	96 hr acute toxicity Freshwater Alga (Senastrum Capricornutum)	96 hr acute toxicity Juvenile Rainbow Trout (Oncorhynchus Mykiss)
Fire S.O.S. Pro™	>750 mg/kg	

**Sensitization:** No relevant studies identified

**Target organs:** No relevant studies identified

## Section 12: Ecological Information

### Product Information

**Ecotoxicity:** No relevant studies identified

**Mobility:** No relevant studies identified

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

**Bioaccumulation:** No relevant studies identified

## Section 13: Disposal Considerations

This product, as sold, is not a RCRA-listed waste or hazardous waste as characterized by 40 CFR 261. Dispose as non-hazardous waste in accordance with local regulations.

## Section 14: Transport Information

**DOT regulations:** Not regulated

- **Hazard class:** Not Applicable
- **Land transport ADR/RID (cross-border):** Not Applicable
- **ADR/RID class:** Not Applicable
- **Maritime transport IMDG:** Not Applicable
- **Air transport ICAO-TI and IATA-DGR:** Not Applicable
- **ICAO/IATA Class:** Not Applicable

## Section 15: Regulatory Information

### **US Federal Regulations**

**SARA Section 355** (*extremely hazardous substances*): None

**SARA Section 311/312/313** (*specific toxic chemical listings*): None

**Clean Air Act, Section 112 Hazardous Pollutants** (*HAPs*): None

**TSCA** (*Toxic Substances Control Act*): None

## Section 16: Other Information

**SDS date of preparation/update:** April 2026

