



For more info



# SAFETY DATA SHEET

## Section 1: Identification

**Product Name:** THERMAL STOP

**Other Name/Use and Restrictions:** Patented, non-toxic, non-corrosive, organic, biodegradable concentrate fire-suppressing agent designed to extinguish Lithium Ion fires.

**Company:** Redline Fire Solutions  
P.O. Box 4058  
Pahrump, NV. 89041

**In emergency call 911.**

**For information about this SDS, contact phone#:** (909) 919-9115

## 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%-30 %
Bio-based Ingredients	Proprietary	Proprietary	1-30%

\*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:** Thermal Stop 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 liquid

**Odor:** Mild, pleasant fresh smell

**Odor threshold:** No data available

**pH:** Concentrate is 7.08 and is neutral when diluted

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

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

**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:** <300 Cps @ 20 degrees C

**Specific gravity:** 1.08 @ 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

**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 Air Pollutants (HAPs):** None **TSCA (Toxic Substances Control Act):** None

## Section 16: Other Information

SDS date of preparation/update: January 14, 2026