



# Thermal Stop

## Section 9: Physical and Chemical Properties

**Appearance:** Liquid with off white/yellow color  
**Odor:** Mild, pleasant  
**Odor threshold:** No data available  
**pH:** 6.9  
**Melting point/melting range:** No data available  
**Boiling point/boiling range:** No data available  
**Flash point:** No data available  
**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  
**Vapor pressure:** No data available  
**Vapor density:** No data available  
**Viscosity:** <300 Cps @ 20 degrees Celcius  
**Specific gravity:** 1.02 @ 60 F  
**Solubility in/Miscibility with water:** Soluble

## 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

**Acute toxicity:**

**Component 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

**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

# SAFETY DATA SHEET

## Section 1: Identification

**Product Name:** Thermal Stop

**Other Name/Use and Restrictions:** Fluorine Free Solution used in extinguishing Lithium-ion fires

**Company:** Redline Fire Solutions  
5384 Splendido Ave  
Pahrmp, NV. 89061

**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	Proprietary	Proprietary	0.5%-30%
Bio-based Ingredients	Proprietary	Proprietary	1-30%

\*Exact Concentration withheld as trade secret





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## 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.

## Section 6: Accidental Release Measures

**Personal precautions:** None required.

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

**Measures for cleaning/collecting:** Absorb with liquid-binding material.

## Section 7: Handling and Storage

**Handling:** No special measures required.

**Storage:** Store in original containers between 32°F and 120°F (0°C and 49°C) under cover and out of direct sunlight.

## 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.



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**Sensitization:** No relevant studies identified  
**Target organs:** No relevant studies identified

## Section 12: Ecological Information

### Product Information

Aquatic Toxicity	96 hr acute toxicity Freshwater Alga (Selenastrum Capricornutum)	96 hr acute toxicity Juvenile Rainbow Trout (Oncorhynchus Mykiss)
Thermal Stop	>750 mg/kg	LC50 - 105 mg/kg

**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 10,2023