

*FOR CHEMICAL EMERGENCY, SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT, CALL DAY OR NIGHT 1-800-561-8273 or
CHEMTREC - 1-800-424-9300*

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

FORMULATED FOR:

LOVELAND PRODUCTS, INC.
P.O. Box 1286 • Greeley, CO 80632-1286

24-Hour Emergency Phone: 1-800-561-8273
Medical Emergencies (Prosar): 1-800-301-7976
Additional Emergency Phone (Canutec): 1-613-996-6666 (Collect)

PRODUCT NAME: FIGHTER-F® 10 10% ANTIFOAMER / DEFOAMER
CHEMICAL NAME: Dimethylpolysiloxane; Siloxanes and silicones, dimethyl; Dimethylpolysiloxane hydrolyzate
CHEMICAL FAMILY: Anti-foam
PCP REG. NO.: Not applicable
MSDS Number: 8205425-10-LPI **MSDS Revisions:** Section 9 revised **Date of Issue:** 06/01/10 **Supersedes:** 06/20/07

2. HAZARDS IDENTIFICATION SUMMARY

KEEP OUT OF REACH OF CHILDREN – CAUTION – Eye contact with product may cause mild irritation. Skin contact is not expected to be a hazard. Inhalation is not expected to be a hazard. Ingestion of product may cause irritation.

This product is white liquid with a mild odour.

3. COMPOSITION, INFORMATION ON INGREDIENTS

<u>Chemical Ingredients:</u>	<u>Percentage by Weight:</u>	<u>CAS No.</u>	<u>TLV (Units)</u>
Dimethylpolysiloxane hydrolyzate	10.00	63148-62-9	none established
Other Ingredients	90.00		

4. FIRST AID MEASURES

If in Eyes: Flush eyes with water for 15 minutes. Get medical attention if irritation persists.
If on Skin: Wash skin with soap and water. Get medical attention if irritation persists.
If Swallowed: No harmful effects are expected.
If Inhaled: Remove person to fresh air. Perform artificial respiration if necessary.

5. FIRE FIGHTING MEASURES

FLASH POINT (°F/Test Method): >212°F / >100°C (TCC)
FLAMMABLE LIMITS (LFL & UFL): Not established
EXTINGUISHING MEDIA: Carbon dioxide (CO₂), or dry chemical.
HAZARDOUS COMBUSTION PRODUCTS: None known.
SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus and full protective gear. Do not use a direct stream of water.
UNUSUAL FIRE AND EXPLOSION HAZARDS: Dike area to contain run-off and prevent contamination of water supplies.

6. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

Wear appropriate personal protective equipment (refer to Section 8) when responding to spills. Shut off source of leak if safe to do so. Dike and contain spill. Soak up residue with absorbent such as clay, sand or other suitable material and dispose of properly. Flush area with water to remove trace residue. Contain runoff from residue flush and dispose of properly. Place in container for proper disposal. Dispose of the container in accordance with provincial requirements.

CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

7. HANDLING AND STORAGE

HANDLING: Wear impervious gloves when handling. Shake well before using. Wash with soap and water before eating, drinking, smoking, applying cosmetics, or using toilet facilities. Keep away from children, feed and foodstuffs, fertilizers and seed.
STORAGE: Store in a cool, dry place. Store in original container. Keep from freezing. Keep tightly closed. Do not contaminate water, food, or feed by storage or disposal.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Work in well-ventilated area. Local ventilation may be required if working in confined spaces.
RESPIRATORY PROTECTION: Wear a NIOSH approved respirator for pesticides if necessary.
EYE PROTECTION: Chemical goggles or shielded safety glasses.
SKIN PROTECTION: Wear long sleeved shirt, long pants, and shoes with socks. Wear impervious rubber or chemical-resistant gloves.

For product	OSHA PEL 8 hr TWA not established	ACGIH TLV-TWA not established
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9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: White liquid with mild odour	BULK DENSITY: 8.47 lbs/gal.	SOLUBILITY: Emulsifies
SPECIFIC GRAVITY (Water = 1): 1.015 g/ml	BOILING POINT: Not established	pH: 6.9 (1% solution)
VAPOR PRESSURE: Not established	EVAPORATION RATE: Not established	
PERCENT VOLATILE (by volume): Not established		

Note: These physical data are typical values based on material tested but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specification items.

10. STABILITY AND REACTIVITY

STABILITY: Stable **CONDITIONS TO AVOID:** Cold temperatures.
INCOMPATIBILITY: Inorganic acids and inorganic bases.
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon Monoxide from burning.
HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

Acute Oral LD₅₀ (rat): >5000 mg/kg [EPA Category IV]	Acute Dermal LD₅₀ (rat): >2000 mg/kg [EPA Category IV]
Eye Irritation (rabbit): Not an irritant [EPA Category IV]	Skin Irritation (rabbit): Moderate skin irritant [EPA Category III]
Inhalation LC₅₀ (rat): Not established	Skin Sensitization (guinea pig): Not a sensitizer
Carcinogenic Potential: None listed by OSHA, NTP, IARC, and ACGIH as a carcinogen	

12. ECOLOGICAL INFORMATION

Aquatic Acute Toxicity

Rainbow Trout - 96 HR LC ₅₀ : 17.6 mg/L	NOEC: 12.5 mg/L
Daphnia Magna - 48 HR EC ₅₀ : 9.3 mg/L	NOEC: 7.5 mg/L

13. DISPOSAL CONSIDERATIONS

Do not reuse containers for any purpose. Container is recyclable, and is to be disposed of at a container collection site. Contact your local dealer/distributor for the location of the nearest collection site. Before taking container to the collection site: Triple or pressure-rinse the empty container, adding the rinsate to the spray tank. Make the empty container unsuitable for further use. If there is no container collection site in your area, dispose of the container in accordance with provincial requirements. For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Do not contaminate water, food, or feed by storage or disposal.

14. TRANSPORT INFORMATION

TDG Shipping Description: NOT REGULATED
DOT Shipping Description: NOT REGULATED BY USDOT.
Freight Classification: ADHESIVES, ADJUVANTS, SPREADERS OR STICKERS (NMFC 4610; CLASS: 60)
Consult appropriate ICAO/IATA and IMDG regulations for shipment requirements in the Air and Maritime shipping modes.

15. REGULATORY INFORMATION

NFPA & HMIS Hazard Ratings:	NFPA		HMIS
	0 Health	0 Least	0 Health
	0 Flammability	1 Slight	0 Flammability
	0 Instability	2 Moderate	0 Reactivity
		3 High	H PPE
		4 Severe	

SARA Hazard Notification/Reporting
SARA Title III Hazard Category: Immediate N Fire N Sudden Release of Pressure N
 Delayed N Reactive N

Reportable Quantity (RQ) under U.S. CERCLA: Not listed
SARA, Title III, Section 313: Not listed
RCRA Waste Code: Not listed
CA Proposition 65: Not listed

16. OTHER INFORMATION

MSDS STATUS: Section 9 revised

PREPARED BY: Registrations and Regulatory Affairs

REVIEWED BY: Environmental/ Regulatory Services

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