

MATERIAL SAFETY DATA SHEET

FIGHTER-F® DRY

FOR CHEMICAL EMERGENCY, SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT, CALL CHEMTREC - DAY OR NIGHT 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: 1-800-424-9300
Medical Emergencies: 1-800-301-7976
U.S. Coast Guard National Response Center: 1-800-424-8802

PRODUCT NAME: FIGHTER-F® DRY ANTIFOAMING – DEFOAMING AGENT
CHEMICAL NAME: Polysiloxane; Sodium Acetate
CHEMICAL FAMILY: Dry Silicone Defoamer
CALIF. REG. NO.: not applicable
WA REG. NO.: not applicable
MSDS Number: 8200770-08-LPI

MSDS Revisions: All sections reviewed

Date of Issue: 12/15/08

Supersedes: 02/07/06

2. HAZARDS IDENTIFICATION SUMMARY

KEEP OUT OF REACH OF CHILDREN – CAUTION – Skin contact is not expected to be a hazard. Inhalation is not expected to be a hazard.

This product is white powder with a mild odor.

3. COMPOSITION, INFORMATION ON INGREDIENTS

<u>Chemical Ingredients:</u>	<u>Percentage by Weight:</u>	<u>CAS No.</u>	<u>TLV (Units)</u>
Polysiloxane	15.00	63148-62-9	none established
Other Ingredients	85.00		

4. FIRST AID MEASURES

If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes.
If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
If swallowed: Call a poison control center or doctor immediately for treatment advice. Have a person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

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: Contains methyl-polysiloxane which may generate formaldehyde at extremely high temperatures in atmospheres containing oxygen. Other decomposition products are oxides of carbon, oxides of sulfur, oxides of nitrogen, and crystalline silica.
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: None known.

6. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

Disposal of collected product, residues, and clean up materials may be governmentally regulated. Observe all applicable local, state, and federal waste management regulations. Mop up, wipe up, or soak up with absorbent and contain for salvage or disposal. For large spills, provide diking or other appropriate containment to keep material from spreading. Clean any remaining slippery surfaces by mopping or swabbing with appropriate solvents; or high-pressure steam for large areas. For non-silicones, use typical industrial cleaning materials. Observe any safety precautions applicable to the cleaning material being used. Observe all personal protection equipment recommendations described in Section 8. Local, state, and federal reporting requirements may apply to spills or releases of this material into the environment.

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

7. HANDLING AND STORAGE

HANDLING: Wear long sleeved shirt and long pants, socks, shoes, and gloves when handling. Wash with soap and water before eating, drinking, using tobacco, or using the toilet. Keep away from children.
STORAGE: Store in a cool, dry place. Store in original container. Keep tightly closed. Do not reuse empty container. Do not contaminate water, food, or feed by storage or disposal.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Local exhaust should not be needed. General ventilation is recommended.
RESPIRATORY PROTECTION: Respiratory protection should not be required.
EYE PROTECTION: Chemical goggles or shielded safety glasses, if needed.
SKIN PROTECTION: Wear long sleeved shirt, long pants, and shoes with socks. Wear gloves.

	OSHA PEL 8 hr TWA	ACGIH TLV-TWA
Nuisance Particulates	15 mg/m ³	not established

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: White powder with mild odor	BULK DENSITY: 34.34 lbs/ft ³ (loose)	SOLUBILITY: Dispersible
SPECIFIC GRAVITY (Water = 1): 0.55 g/ml (loose)	BOILING POINT: Not established	pH: 6.41 (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
INCOMPATIBILITY: Oxidizing materials can cause a reaction.

CONDITIONS TO AVOID: None known.

HAZARDOUS DECOMPOSITION PRODUCTS: Contains methyl-polysiloxane which may generate formaldehyde at extremely high temperatures in atmospheres containing oxygen. Other decomposition products are oxides of carbon, oxides of sulfur, oxides of nitrogen, and crystalline silica.

HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

Acute Oral LD₅₀ (rat): Not established	Acute Dermal LD₅₀ (rat): Not established
Eye Irritation (rabbit): Not established	Skin Irritation (rabbit): Not established
Inhalation LC₅₀ (rat): Not established	Skin Sensitization (guinea pig): Not established
Carcinogenic Potential: None listed by OSHA, NTP, IARC, and ACGIH as a carcinogen	

12. ECOLOGICAL INFORMATION

No data available.

13. DISPOSAL CONSIDERATIONS

Do not reuse empty containers. Triple rinse (or equivalent), adding rinse water to spray tank. Then offer for recycling at an ACRC site (go to <http://www.acrecycle.org/> for locations) or by reconditioning, or dispose of in a sanitary landfill or by other procedures approved by appropriate authorities. Wastes may be disposed of on site or at an approved waste disposal facility. Do not contaminate water, food, or feed by storage and disposal.

14. TRANSPORT INFORMATION

DOT Shipping Description: NOT REGULATED BY USDOT.

Freight Classification: COMPOUND, DEFOAMING, NOI (NMFC 50140, SUB 2; CLASS: 70)

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	

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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: All sections reviewed and/or revised

PREPARED BY: Registrations and Regulatory Affairs

REVIEWED BY: Environmental/ Regulatory Services

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