

# Grain Processing Corporation

## MATERIAL SAFETY DATA SHEET

### SECTION I - Product and Company Identification

**Product:** BIOMELT® D55F anti-icing/deicing fluid

**Chemical Name:** Trade secret

**Formula:** Proprietary

**Manufacturer:** Grain Processing Corporation, P.O. Box 349, 1600 Oregon Street, Muscatine, Iowa 52761

**24-Hour Emergency Assistance:** 563-264-4304

**For Other Information, Call:** 563-264-4265

### SECTION II - Ingredients

<u>Ingredient(s)</u>	<u>CAS No.</u>	<u>% by Wt.</u>	<u>OSHA PEL</u>		<u>ACGIH TLV</u>		<u>NFPA</u>	<u>SARA</u>
			<u>TWA</u>	<u>STEL</u>	<u>TWA</u>	<u>STEL</u>		
Trade Secret	--	--	--	--	--	--	1-0-0	--

**NFPA-Hazard Identification:** This system identifies the hazards in three categories: Health, Flammability, and Reactivity and indicates the order of severity ranging from 4 indicating a severe hazard to 0 indicating no special hazard.

**SARA-EPA SARA Title III Hazard Categories:** 1-Fire Hazard, 2-Sudden Release of Pressure, 3-Reactive, 4-Immediate (Acute) Health Hazard, 5-Delayed (Chronic) Health Hazard.

### SECTION III - Physical Data

**Boiling Point (°F):** Not available

**Vapor Pressure (mm Hg):** Not available

**Vapor Density (Air=1):** Not available

**Solubility in Water:** Appreciable

**Appearance and Odor:** Clear, translucent aqueous solution; slight odor

**Specific Gravity (H<sub>2</sub>O=1):** ~1.27

**Evaporation Rate (n-BuAc=1):** Not available

**Melting Point:** Not applicable

**pH:** ~8.9

### SECTION IV - Fire and Explosion Hazard Data

**Flash Point (Method Used):** Not applicable

**Flammable Limits:** LeI - Not applicable UeI - Not applicable

**Extinguishing Media:** Water, carbon dioxide, or dry chemical

**Special Fire Fighting Procedures:** Wear proper fire-fighting equipment

**Unusual Fire and Explosion Hazards:** Decomposition products may be toxic

### SECTION V - Health Hazard Data

**Route(s) of Entry:** Inhalation - yes. Skin - yes. Eyes - yes. Ingestion - unlikely.

**Carcinogenicity:** NTP - no. IARC - no. OSHA - no.

**Threshold Limit Value:** See Section II

**Acute Oral Toxicity (rat):** Low acute oral toxicity; LD50 for rats is >3 g/kg.

**Skin Contact:** May cause irritation.

**Eye Contact:** May be irritating to eyes.

**Inhalation:** May cause respiratory irritation.

**Effects of Overexposure:** Acute signs and symptoms as listed.

**Emergency and First Aid Procedures:**

**Ingestion:** If ingested, seek medical supervision. Do not induce vomiting.

**Skin Contact:** Wash skin with water and mild soap. If irritation occurs, seek medical attention.

**Eye Contact:** Flush eyes with plenty of water for 30 minutes. Get medical attention if warranted.

**Inhalation:** Remove to fresh air. Seek medical attention if irritation persists.

## **SECTION VI - Reactivity Data**

**Stability:** Stable

**Conditions to Avoid:** None

**Incompatibility (Materials to Avoid):** Strong alkali, strong oxidizing or reducing agents.

**Hazardous Decomposition Products:** Thermal decomposition may produce oxides of carbon and the contained metal.

**Hazardous Polymerization:** Will not occur.

## **SECTION VII - Spill or Leak Procedures**

**Steps to Be Taken in Case Material Is Released or Spilled:** All spills should be contained and picked up with earthen or other absorbent material and placed in suitable container.

**Waste Disposal Method:** Dispose of in approved solid waste disposal area per current regulations.

## **SECTION VIII - Special Protection Information**

**Personal Protective Equipment:** Protective clothing, gloves and safety eyewear protection are not required, but recommended. Use appropriate NIOSH-approved respirator when needed. Respirator selection must be based on contamination levels found in the work area. Comply with OSHA standards 29 CFR 1910.134 Respiratory Protection and 29 CFR 1910.1000 Air Contaminants Permissible Exposure Limits. Eyewash and safety shower should be available. Follow good housekeeping and manufacturing practices.

**Ventilation:** Use general or local exhaust ventilation to meet OSHA PELs or ACGIH TLV requirements.

## **SECTION IX - Special Precautions**

**Precautions to Be Taken in Handling and Storing:** Spilled material may be slippery. Clean up spills completely before walking in the area of spillage.

**Other Precautions:** None.

## **SECTION X - Transportation (DOT Information)**

**Department of Transportation - Classification:** Not applicable

**Department of Transportation - Identification Number:** Not applicable

The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees.

GPC-MSDS  
BIOMELT® D55F  
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