

Material Safety Data Sheet

Product Name:

Thermo-Gel® 200L

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Section I

Name and Address

Thermo Technologies, L.L.C.
923 E. Interstate Ave.
Bismarck, ND 58503

Emergency Telephone Number:

(800) 538-8122

Telephone Number for Information:

(701) 258-8208

Date prepared:

11/01/11

NA = Not Applicable

NE = Not Established

NH = Non-Hazardous

Section II – Hazardous Ingredients/Identity Information

Specific Chemical Identity; Common Name (s)	OSHA PEL	ACGHI TLV	Other Limits Recommended	% (optional)
Sodium Polyacrylate Based Polymer Proprietary Blend	NE	NE	Irritant (eye)	
Petroleum hydrocarbon Proprietary Blend	5 mg/m3*	5 mg/m3*	*Oil mist in air	
Surfactant Proprietary Blend	NE	NE	Irritant (eye)	

The final components of this product are listed in the US TSCA Chemical Substance Inventory. This product is not transport regulated.

SARA Section 313 Reportable Toxic Chemicals – NONE%

Section III – Physical/Chemical Characteristic

Boiling Point	~204°F	Specific gravity (H2O=1)	~1.05 g/cm3 @ 68°F
Vapor Pressure (mm/Hg)	NE	Melting Point	NE
Vapor Density (Air=1)	NE	Evaporation Rate	NE
pH	7.0 @27.5g/l (68°F)		
Solubility in Water	Disperses in water, large rise in viscosity		
Appearance and Odor	Opaque liquid		

Section IV – Fire and Explosion Hazard Data

Flash Point (Method Used)	<212°F (components summary)	Flammable Limit	LEL: NE UEL: NE
Extinguishing Media	Dry chemical, foam, carbon dioxide, water fog. Very slippery conditions are created if spilled product comes in contact with water.		
Special Fire Fighting Procedures	Use water fog. Avoid water jet/stream. Use self-contained breathing apparatus and protective gear for any hostile fire. Spilled product creates slippery conditions.		
Unusual Fire and Explosion Hazards	Petroleum hydrocarbon component, although formulated to prevent separation, if separated can burn.		

Section V – Reactivity Data

Stability	The product is stable	Conditions to Avoid	None known.
Incompatibility (Materials to Avoid)	Strong oxidizers, strong acids.		

Hazardous Decomposition or Byproducts On thermal decomposition, oxides of carbon and nitrogen.

Hazardous Polymerization Will Not Occur **Conditions to Avoid** None known.

Section VI – Health Hazard Data

Routes of Entry **Inhalation:** Yes **Skin:** Yes **Ingestion:** No

Health Hazards (Acute and Chronic) Components may cause skin and eye irritation. Irritation of the mucous membranes may result from inhalation of vapors/mist forms. Proper handling procedures, including skin and eye protection are advised.

Carcinogenicity **NTP:** No **IARC:** No **OSHA:** No

Signs and Symptoms of Exposure Reddening, swelling of the affected area with burning, itching or other discomfort.

Medical Conditions Generally Aggravated by Exposure Not confirmed. Existing cuts, rashes, allergies and other sensitive areas. Respiratory disorder may be aggravated.

Emergency and First Aid Procedures Eyes: flush thoroughly with water. Skin: wash with soap and water. Inhalation: move to fresh air. Ingestion: If ill effects occur, get medical attention. For any continued discomfort/discoloration get professional medical attention.

Section VII – Precautions for Safe Handling and Use

Steps in Case of Released/Spill Wear protective gear. Collect, using suitable absorbent if needed. Flush residuals to the drain for normal biological wastewater treatment. Put collected material into suitable containers for proper disposal. Exercise caution in spill area as spilled material creates very slippery conditions.

Waste Disposal Method Incinerate according to applicable regulations. Diluted liquid form may be flushed with water to normal wastewater treatment in accordance with Local, State/Provincial and Federal regulations.

Precautions to be Taken in Handling/Storage Components may cause skin and eye irritation. Proper handling procedures, including skin and eye protection are advised. Avoid inhalation of vapors/mist forms. Do not ingest.

Other Precautions Exercise caution with spilled product as very slippery conditions, especially in contact with water, are created. Prevent release of concentrate to waterways.

Section VIII – Control Measures

Respiratory Protection Not required for normal product end use. Observe any Section II MSDS exposure limits.

Ventilation Local Exhaust Ensure vapors/mist forms are removed. **Special** Not required.

Mechanical Recommended. **Other Ventilation** Not required.

Protective Gloves Impervious neoprene or rubber. **Eye Protection** Safety goggles.

Other Protective Clothing or Equipment Apron, shoes, or other to prevent skin contact. **Work/Hygienic Practices** Wash thoroughly after handling.

The information provided in the Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process unless specified in the text.