

# Material Safety Data Sheet

**Product Name:**

**Thermo-Gel® 300L**

**Page 1 of 2**

## 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:**

05/09/08

NA = Not Applicable

NE = Not Established

NH = Non-Hazardous

## Section II – Hazardous Ingredients/Identity Information

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

This product is not considered hazardous und 29 CFR 1910.1200 (Hazard Communication). Product contains surfactants that may cause eye irritation on contact.

**SARA Section 313 Reportable Toxic Chemicals – NONE%**

## Section III – Physical/Chemical Characteristic

<b>Boiling Point</b>	~204°F	<b>Specific gravity (H2O=1)</b>	~1.05 g/cm3 @ 68°F
<b>Vapor Pressure (mm/Hg)</b>	NE	<b>Melting Point</b>	NE
<b>Vapor Density (Air=1)</b>	NE	<b>Evaporation Rate</b>	NE
<b>pH</b>	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** On thermo decomposition, oxides of carbon and nitrogen.

## 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, along with thick smoke

**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.