

Material Safety Data Sheet

Material Safety Data Sheet May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standards must be consulted for specific requirements.	U.S. Department of Labor Occupational Safety and Health Administration (Non-Mandatory Form) Form Approved OMB No. 1218-0072
Identity (As used on Label and List) Thermo-Gel® 200L Blue Mixed Product	Note: Blank Spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

Section I

Distributor's Name and Address Thermo Technologies, L.L.C. 925 East Interstate Ave Bismarck, ND 58503	Emergency Telephone Number: (800) 424-9300 Telephone Number for Information: (701) 258-8208 Date prepared: NA = Not Applicable 05/26/08 NE = Not Established Signature of Preparer NH= Non-Hazardous (optional)
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Section II – Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name (s))	OSHA PEL	ACGHI TLV	Other Limits Recommended	% (Optional)
Polyacrylate polymer Proprietary blend	NE	NE	Irritant (eye)	NA
Petroleum hydrocarbon Proprietary blend	5 mg/m3*	5 mg/m3*	*(Oil mist in air)	NA
Surfactant Proprietary Blend	NE	NE	Irritant (eye, skin)	NA
Food color Proprietary blend	NH	NH	NH	NA

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	Initial 96°C	Specific gravity (H2O=1)	Approx. 1.02
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Vapor Pressure (mm Hg.)	Not established NE	Melting Point	Not established NE
Vapor Density (Air=1)	Not established NE	Evaporation Rate (Butyl Acetate =1)	Not established NE
Solubility in Water	Emulsifies in water with some soluble components present.		
Appearance and Odor	Blue opaque liquid with mild odor of hydrocarbon.		

Section IV – Fire and Explosion Hazard Data

Flash Point (Method Used)	Greater than 100°C (components summary)	Flammable Limit	LEL NE	UEL NE
Extinguishing Media	Water fog, CO2, dry chemical extinguishments.			
Special Fire Fighting	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 Procedures	Petroleum hydrocarbon component, although formulated to prevent separation, if separated can burn. Its flash point is in the range of 265°F (method: Cleveland Open Cup).			

Section V – Reactivity Data

Stability	Unstable X Stable	Conditions to Avoid	None known.
Incompatibility (Material to Avoid)	Strong oxidizers, strong acids.		
Hazardous Decomposition or Byproducts	On thermal decomposition, oxides of carbon and nitrogen.		
Hazardous Polymerization	May Occur X 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	Not confirmed. Existing cuts, rashes, allergies and other sensitive areas.		
Aggravated by Exposure	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	Contain. 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.