

Thermo Technologies, L.L.C.

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 (red pail/red label)

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.
400 East Broadway Suite 50
Bismarck, ND 58501

Emergency Telephone Number:

(800) 424-9300

Telephone Number for Information:

(701) 258-8208

Date prepared:

05/09/07

NA = Not Applicable

NE = Not Established

Signature of Preparer (optional)

NH = Non-Hazardous

Section II – Hazardous Ingredients/Identity Information

Serial Number 0485-1

Hazardous Components (Specific

Chemical Identity; Common Name (s))

OSHA PEL

NE

ACGHI TLV

NE

Other Limits

Recommended

Irritant (eye)

% (Optional)

Polyacrylate Polymer
Proprietary Blend

Petroleum hydrocarbon
Proprietary Blend

5 mg/m3*

5 mg/m3*

*(Oil mist in air)

Surfactant
Proprietary Blend

NE

NE

Irritant (eye, skin)

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.

1.05

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

White 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 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. Its flash point is in the range of 265°F (method: Cleveland Open Cup).

Section V – Reactivity Data

Stability **Unstable** **Conditions to Avoid** **None known.**
 X Stable

Incompatibility (Material to Avoid) Strong oxidizers, strong acids.

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

Hazardous **May Occur** **Conditions to Avoid** **None known.**
Polymerization **X Will not Occur**

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 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.

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