

# Material Safety Data Sheet

MSDS ID: CR-156

**\*\*\* Section 1 - Chemical Product and Company Identification \*\*\*****PRODUCT NAME: Thermo-Gel® 300L****Chemical Name:** Anionic Emulsion Copolymer of acrylamide**Manufacturer Information**

<b>Thermo Technologies, LLC.</b>	<b>Phone: (701) 258-8202</b>
<b>400 East Broadway Suite 50</b>	<b>Fax: (701) 258-7259</b>
<b>Bismarck, ND 58501</b>	<b>Emergency: (800) 538-8122</b>

**General Comments**

Emergency telephone numbers are to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure or accident involving the product.

**\*\*\* Section 2 - Hazards Identification \*\*\*****Emergency Overview**

Concentrate contains surfactants that may cause eye irritation on contact.

**Potential Health Effects: Eyes**

Concentrate may cause burning, itching and other discomfort, resulting in reddening of the eyes.

**Potential Health Effects: Skin**

Concentrate may cause skin irritation.

**Potential Health Effects: Ingestion**

As in any instance of non-food consumption, seek medical attention in the event of any adverse symptoms.

**Potential Health Effects: Inhalation**

Irritation of the mucous membranes may result from inhalation of vapors or mists.

**HMIS Ratings:** Health: 1 Fire: 0 Reactivity: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe \* = Chronic hazard

**\*\*\* Section 3 - Composition / Information on Ingredients \*\*\***

Component	Percent
Propenoic acid, sodium salt, polymer	20-30
Fatty acids, methyl esters	20-25
Surfactants	1-5

**Component Information/Information on Non-Hazardous Components**

This product is not considered hazardous under 29 CFR 1910.1200 (Hazard Communication). Product contains surfactants that may cause eye irritation on contact (See sections 3 & 4).

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## \*\*\* Section 4 - First Aid Measures \*\*\*

### First Aid: Eyes

Immediately flush eyes with plenty of water for at least 15 minutes.

### First Aid: Skin

Wash with soap and water. Remove contaminated clothing.

### First Aid: Ingestion

If swallowed, seek medical attention.

### First Aid: Inhalation

If inhaled, move to source of fresh air. Seek medical attention if symptoms persist.

## \*\*\* Section 5 - Fire Fighting Measures \*\*\*

### General Fire Hazards

Thermal decomposition of this product may be hazardous as noted in Sections 2 & 3. Firefighters should wear full protective clothing.

**Upper Flammable Limit (UFL):** Not Established

**Lower Flammable Limit (LFL):** Not Established

**Method Used:** Component

**Flash Point:** >212°F

**Flammability Classification:** None

**Auto Ignition:** Not Established

### Hazardous Combustion Products

On thermal decomposition, oxides of carbon and nitrogen.

### Extinguishing Media

Dry chemical, foam, carbon dioxide, water fog. Very slippery conditions are created if spilled product comes in contact with water.

### Fire Fighting Equipment/Instructions

Firefighters should wear full protective clothing.

**NFPA Ratings:**    **Health:** 1    **Fire:** 0    **Reactivity:** 0    **Other:** B

Hazard Scale: 0 = Minimal   1 = Slight   2 = Moderate   3 = Serious   4 = Severe

## \*\*\* Section 6 - Accidental Release Measures \*\*\*

### Containment Procedures

Dike the spilled material, where this is possible. Contain and absorb spill with inert material. Prevent discharge of concentrate into waterways. Keep on-lookers away.

### Clean-Up Procedures

Use caution after contact of product with water as very slippery conditions will result. Residuals may be flushed with water into the drain for normal wastewater treatment.

### Evacuation Procedures

None required.

**\*\*\* Section 7 - Handling and Storage \*\*\*****Handling Procedures**

Handle as an eye and respiratory tract irritant. Use chemical/splash goggles when handling concentrate.

**Storage Procedures**

Store in cool, dry and well ventilated areas. Keep containers tightly closed. Keep away from oxidizing agents, excessive heat, and ignition sources.

**\*\*\* Section 8 - Exposure Controls / Personal Protection \*\*\*****Exposure Guidelines****A: General Product Information**

Attempts should be made to eliminate all contact with eyes and to limit inhalation exposure.

**B: Component Exposure Limits**

No information is available.

**Engineering Controls**

Provide local and general exhaust ventilation to effectively remove and prevent buildup of any vapors or mists generated from the handling of this product.

**PERSONAL PROTECTIVE EQUIPMENT****Personal Protective Equipment: Eyes/Face**

Wear safety glasses with side shields when using end product.

**Personal Protective Equipment: Skin**

Use impervious gloves when handling the concentrate in the manufacturing environment.

**Personal Protective Equipment: Respiratory****Personal Protective Equipment: General**

Obey reasonable safety precautions and practice good housekeeping. Wash thoroughly after handling.

**\*\*\* Section 9 - Physical & Chemical Properties \*\*\***

**Appearance:** Opaque  
**Physical State:** Liquid  
**Vapor Pressure:** Not Established  
**Boiling Point:** ~96°C  
**Solubility (H<sub>2</sub>O):** Disperses in water, large rise in viscosity.

**Odor:** characteristic  
**pH:** 7.0 @27.5g/l (20°C)  
**Vapor Density:** Not Established  
**Melting Point:** Not Established  
**Specific Gravity:** 1.05 g/cm<sup>3</sup> @ 20°C

**Flash Point:** >212°F

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## \*\*\* Section 10 - Chemical Stability & Reactivity Information \*\*\*

### Chemical Stability

The product is stable.

### Chemical Stability: Conditions to Avoid

Avoid elevated temperatures.

### Incompatibility

Strong oxidizers and strong acids.

### Hazardous Decomposition

Will not decompose on storage. Combustion produces carbon monoxide, carbon dioxide along with thick smoke.

### Hazardous Polymerization

Will not occur.

## \*\*\* Section 11 - Toxicological Information \*\*\*

### Acute and Chronic Toxicity

No information

### Carcinogenicity

#### A: General Product Information

None

#### B: Component Carcinogenicity

No information is available.

### Chronic Toxicity

No chronic health effects have been observed.

### Component Carcinogenicity

No information is available.

## \*\*\* Section 12 - Ecological Information \*\*\*

### Ecotoxicity

### Component Analysis

### Environmental Fate

No Information Known,.

## \*\*\* Section 13 - Disposal Considerations \*\*\*

### US EPA Waste Number & Descriptions

### Component Waste Numbers

No EPA Waste Numbers are applicable for this product's components.

### Disposal Instructions

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## \*\*\* Section 14 - Transportation Information \*\*\*

This product is not regulated by DOT (Department of Transportation) as a hazardous material.

## \*\*\* Section 15 - Other Information \*\*\*

### Other Information

The information provided in this 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.

### MSDS History

This is a new MSDS. Section's 2 & 3 reflect proposed August, 2004 ANSI Standards format recommendations for 2007 implementation. Most Sections have been revised to reflect appropriate information.

**Contact: Trinity Turnbow**

**Contact Phone: (701) 258-8208**

This is the end of MSDS ID: CR-156