Section 1: Product & Company Identification:

Product Name: FR-1405  
Product Use: Friction Reducer/Viscosifier  
Chemical Name and/or Family: Proprietary Polymer

Company Information:  
Plant Facility:  
CoilChem, LLC  
3928 Hwy 80  
Rayville, LA 71269  
(318) 728-6565

Corporate Office:  
CoilChem, LLC  
2103 East Ladd Rd  
Washington, OK 73093  
(405) 392-2505

Emergency Information:  
Contact Infotrac: 1-800-535-5053

S.D.S. Revision Date: January 8, 2015

Section 2: Hazards Identification

Health Hazard: Acute; Liquid may be irritating to eyes. Excessive skin contact may cause defatting, resulting in irritation and rash. Ingestion may cause gastrointestinal distress, irritation, nausea, and diarrhea.

Primary Routes of Entry:  
Inhalation .................. Irritant  
Skin .......................... Irritant  
Ingestion .......................... Irritant

Over Exposure Effects: Skin irritation develops slowly after contact. Eye irritation develops immediately upon contact.

Carcinogenicity:  
NTP ......................... No  
IARC ......................... No  
OSHA ......................... No

Hazardous Materials Identification System Rating:  
Health ......................... 1  
Flammability ............... 1  
Reactivity .................. 0  
Personal Protection . B

Section 3: Composition/Information on Ingredients:

<table>
<thead>
<tr>
<th>Component</th>
<th>C.A.S. #</th>
<th>%</th>
<th>Exposure Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proprietary</td>
<td>Confidential</td>
<td>20-50</td>
<td></td>
</tr>
<tr>
<td>Mineral Oil</td>
<td>64742-52-5</td>
<td>50-70</td>
<td>N/A</td>
</tr>
</tbody>
</table>

This product does not contain 1% or greater of any hazardous ingredient listed in SARA Title III, Section 313 nor any listed in the American Conference of Governmental Industrial Hygienists (ACGIH); nor does it contain 0.1% or greater of any ingredient listed as a carcinogen by NTP, IARC, or OSHA.
Section 4: First-Aid Measures

First Aid Procedures:

EYE CONTACT: Flush immediately with plenty of water for at least 15 minutes and get medical attention.

SKIN CONTACT: Wash thoroughly with large amounts of soap and water.

INHALATION: Remove victim to fresh air and, if needed, immediately begin artificial respiration. Give Oxygen if breathing is labored. Get emergency medical help. Contact physician immediately.

INGESTION: Seek emergency medical instructions before inducing vomiting.

Section 5: Fire Fighting Measures

Flash Point: > (220°F) SETA FLASH CC

Flammable Limits:
- Lower .................. ND
- Upper .................. ND

Extinguishing Media: Use media appropriate to extinguish surrounding fire.

Unusual Fire Hazard: None currently known.

Section 6: Accidental Release Measures

Spill or Leak: In case of spillage, absorb with inert material and dispose of in accordance with applicable federal, state, and local regulations.

Section 7: Handling & Storage

Precautionary Handling: Avoid contact with skin, eyes, and clothing. After handling this product, wash hands before eating, drinking, or smoking. If contact occurs, remove contaminated clothing. If needed, take emergency first aid action shown in this Material Safety Data Sheet.

Storage: Store away from oxidizers or materials bearing a yellow “DOT” label.

Section 8: Exposure Controls/ Personal Protection

Ventilation:
- Mechanical .................. Desired in closed places
- Local .......................... Recommended

Respiratory Protection: Under normal conditions, respiratory protection should not be needed.

Eye Protection: Use goggles and/or face shield if splashing is likely

Protective Gloves: Wear impervious gloves

HMIS Personal Protective Code:
- S: Splash Goggles, Gloves, Apron

Threshold Limit Value: None established for this blend
Section 9: Physical & Chemical Properties

Appearance and Odor: Semi Viscous, brownish tan Liquid / Bland Odor
Boiling Point: > 550° F.
Freezing Point: will not freeze
Vapor Pressure (mmHg): ND
Vapor Density (Air = 1): 60mm
pH Value: 6.5-7.5
Solubility in Water: Complete
Specific Gravity (Water = 1): 1 – 1.05

Section 10: Stability & Reactivity

Chemical Stability: Stable
Conditions to Avoid: Avoid contact with Oxidizers or Oxidizing Materials.
Incompatible Materials: Oxidizers or Oxidizing Materials.
Decomposition Products: From fire; Smoke, Carbon Dioxide, & Carbon Monoxide
Hazardous Polymerization: Will Not Occur
Polymerization Avoid: None

Section 11: Toxicological Information

No Data Available

Section 12: Ecological Information

No Data Available

Section 13: Disposal Considerations

Waste Disposal Method: This product, in its original form, is not considered to be a hazardous waste. However, contact with other materials may change the characteristics of the waste product. Re-evaluate all waste(s) and follow applicable Federal, State and Local Regulations for disposal.
EPA Hazard Waste Codes: None

Section 14: Transportation Information

Hazard Class: None
Shipping Class: Class 55 (Non-Hazardous/ Not Regulated)
DOT Proper Shipping Name: This product is not regulated by D.O.T.
Reportable Quantity: None
Section 15: Regulatory Information

Notice
The following information is presented in good faith and is believed to be accurate, as of the revised date shown above. No warranty is therefore, expressed or implied. Regulatory information requirements are subject to change as governmental regulations change.

TSCA: Toxic Substances Control Act:
All chemical substances contained in this product are listed in the TSCA Inventory List. (This, however, does not imply that all products are “toxic”.)

EPA: Environmental Protection Agency:

SARA: Superfund Amendments and Reauthorization Act
Title III, Section 313 (Toxic Chemicals): None
Reportable Quantity (RQ): None
Threshold Planning Quantity (TPQ): None
Title III, Section 311 (Hazard Categories):
Acute: Yes
Chronic: No
Ignitable: No
Reactive: No
Sudden Release of Pressure: No

CERCLA: The Comprehensive Environmental Response, Compensation, and Liability Act of 1980:
Reportable Quantity (RQ): None

Clean Air Act:
Sections: Section 111

Clean Water Act:
Sections: NA

Section 16: Other Information

Product Packaging: Various

Footnotes:
ND - No Data Available
NA - Not Applicable
< = Less Than
> = Greater Than

This product's safety information is provided to assist our customers in assessing compliance with health, safety and environmental regulations. The information contained herein, is based on data available to us and is believed to be accurate, although no guarantee or warranty is provided by this company in this respect. Since the use of this product is within the exclusive control of the user, it is the user's obligation to determine the conditions of safe use of this product. Such conditions should comply with all Federal regulations concerning the product. All materials in this product are produced in compliance with Public Law 94-469 (also known as the "Toxic Substances Control Act" of 1976).