Section 1: Product & Company Identification

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

Company Information:

<table>
<thead>
<tr>
<th>Plant Facility</th>
<th>Corporate Office</th>
</tr>
</thead>
<tbody>
<tr>
<td>CoilChem, LLC</td>
<td>CoilChem, LLC</td>
</tr>
<tr>
<td>3928 Hwy 80</td>
<td>2103 East Ladd Rd</td>
</tr>
<tr>
<td>Rayville, LA 71269</td>
<td>Washington, OK 73093</td>
</tr>
<tr>
<td>(318) 728-6565</td>
<td>(405) 445-5545</td>
</tr>
</tbody>
</table>

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

S.D.S. Revision Date: September 13, 2017

Section 2: Hazards Identification

Classification of the substance or mixture:

GHS07

Signal Word: WARNING
Serious Eye Damage

GHS Hazard Phrases: H320: Causes eye irritation. (Category 2B)

GHS Precaution Phrases:
P102: Keep out of reach of children
P103: Read label before use
P264: Wash hands thoroughly after handling
P270: Do not eat, drink, or smoke when using this product
P280: Wear protective gloves/protective clothing/eye protection/face protection.

GHS Response Phrases:
P301+312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
P303: Rinse mouth
P302+352: IF ON SKIN: Wash with plenty of soap and water.
P332+313: If skin irritation occurs, get medical attention.
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+313: If eye irritation persists, get medical advice/attention.
P362+364: Take off contaminated clothing and wash before reuse.

GHS Storage & Disposal Phrases:
P501: Dispose of contents/container to an approved disposal site.

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

Information on Toxicology Effects:

Acute Toxicity: Not Classified
Skin corrosion/irritant: Not Classified. May be irritating to the skin.
Serious eye damage/eye irritation: Not Classified. May cause minor irritation on eye contact

Respiratory or Skin Sensitization:

Respiratory Sensitization: Not Classified.
Skin Sensitization: Not Classified. May cause defatting of the skin, but is neither an irritant nor a sensitizer.
Germ Cell Mutagenicity: No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Carcinogenicity: This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA. Nota LMeets EU requirement of less than 3% (w/w) DMSO extract for total polycyclic aromatic compound (PAC) using IP 346. Not Classified


Reproductive Toxicity: Not Classified.
Specific Target Organ Toxicity-Single Exposure: Not Classified.
Specific Target Organ Toxicity-Repeated Exposure: Not Classified
Aspiration Hazard: May be fatal if swallowed and enters airways.
Chronic Effects: Prolonged inhalation may be harmful.
Further Information: Risk of chemical pneumonia after aspiration.

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
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).