# SECTION I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Common Name/Trade Name**

PETROFLOC FR1  
FRICION REDUCER

**Supplier**

ISOMERIC INDUSTRIES INC.  
361 17th STREET NW #1224  
ATLANTA, GA 30363  
PHONE: (678)-713-4275  
FAX: (855)-713-4275

**In Case of Emergency:**

INFOTRAC  
United States & Canada  
1-800-535-5053  
International  
1-352-323-3500

**Chemical Family**

ANIONIC POLYACRYLAMIDE EMULSION

**Material Uses**

FRICION REDUCER

# SECTION II. HAZARDS IDENTIFICATION

**OSHA Hazards**

No known OSHA hazards. Not a hazardous substance or mixture.

**Target Organs**

Skin corrosive/irritant: Category 2  
Eye Damage/irritation: Category 2B

**GHS Classification**

Skin corrosive/irritant: Category 2  
Eye Damage/irritation: Category 2B

**GHS Label elements, including precautionary statements**

- Signal word: Warning  
- Do not freeze. Product will cause a slip hazard.

**Potential Health Effects**

**Inhalation**

H333 – May be harmful if inhaled.

**Skin**

H315 – Causes skin irritation.

**Eyes**

H320 - Causes eye irritation  

**Ingestion**

H303 – Maybe harmful if swallowed.

P102 – Keep out of reach of children  
P103 – Read label before use.  
P233 – Keep container tightly closed.  
P234 – Keep only in original container.  
P260 – Do not breathe dust/fume/gas/mist/vapors/spray  
P264 – Wash thoroughly after handling.
P270 – Do not eat, drink, or smoke when using this product.
P280 – Wear protective gloves/protective clothing/eye protection/face protection.
P331 – Do not induce vomiting.
P362 – Take off contaminated clothing and wash it before reuse.
P301 + P330 + P331 – IF SWALLOWED: Rinse mouth. Do not induce vomiting.
P302 + P352 – IF ON SKIN: Wash with plenty of soap and water.
P304 + P340 – IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305 + P351 + P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do then continue rinsing cautiously.
P373 + P313 – If eye irritation persists: Get medical advice/attention.
P332 + P313 - If skin irritation persists: Get medical advice/attention.

SECTION III. COMPOSITION AND INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>NAME</th>
<th>CAS #</th>
<th>EC #</th>
<th>INDEX #</th>
<th>CLASSIFICATION</th>
<th>% by Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydro Light Distillate</td>
<td>64742-47-8</td>
<td>-</td>
<td>-</td>
<td>20 – 30 %</td>
<td></td>
</tr>
</tbody>
</table>

For the full text of the H-Statements and R-Phrases mentioned in this Section, see Section 16

SECTION IV. FIRST AID MEASURES

General advice Consult the POISON CENTER or a physician if you feel unwell. Show this safety data sheet to the doctor in attendance.

Eye Contact If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention.

Skin Contact IF ON SKIN OR CLOTHING: Take off contaminated clothing and wash before reuse. Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/assistance.

Inhalation IF INHALED: If breathing is difficult, remove person to fresh air and keep at rest comfortable for breathing. If person is not breathing, please call 911 and then give artificial respiration.

Ingestion Never give anything by mouth to an unconscious person. Rinse mouth with water. DO NOT induce vomiting.

SECTION V. FIREFIGHTING MEASURES

Suitable extinguishing media In case of fire: Water, water spray, Foam, Carbon dioxide or dry powder. Use alcohol type or universal type foams on larger fires.

Special protective equipment for firefighters Use self-contained breathing apparatus with fighting fire in an enclosed area.

Hazardous combustion products Thermal decomposition may produce Carbon or Nitrogen oxides.

Further information May be ignited by heat, sparks, or flames. Vapors may travel to a source of ignition and flash back. Containers may explode in heat of fire.
## SECTION VI. ACCIDENTAL RELEASE MEASURES

**Personal precautions**
Avoid breathing vapors or mists. Use personal protective equipment as necessary.

**Environmental precautions**
As with all chemical products, do not flush into surface water.

**Methods and materials for containment and cleaning up**
Do not flush with water. Dam up. Soak up with inert absorbent material. If liquid has been spilt in large quantities clean up promptly by scoop or vacuum. Keep in suitable container and closed containers after disposal. After cleaning, flush away traces with water until slipperiness is gone.

## SECTION VII. HANDLING AND STORAGE

**Handling**
Avoid contact with skin and eyes. Avoid dust formation. Do not breathe dust. Wear appropriate personnel protective equipment.

**Storage**
Keep container tightly closed in a dry, cool (10-35°C) and well-ventilated place. Keep container upright to avoid leakage. Do not freeze. Do not reuse empty container.

## SECTION VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Components with workplace control parameters**
Keep container tightly controlled. Contains no substances with occupational exposure limit values. Keep area well ventilated.

**Personal Protection**

**Respiratory protection**
Wear a MISOH/OSHA approved respirator, approved use for propionic acid.

**Hand protection**
Handle with rubber gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

**Eye protection**
Goggles and face shield should be used. Do not wear contacts when handling this product.

**Skin and body protection**
Use personal protective equipment such as a chemical resistant apron or protective suit if contact with solution is likely. Take off any contaminated clothing before re-use. Wash skin thoroughly.

**Hygiene measures**
Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.
SECTION IX. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Odor</td>
<td>Slight Oil Odor</td>
</tr>
<tr>
<td>Color</td>
<td>Milky White</td>
</tr>
<tr>
<td>Physical state and</td>
<td>Liquid</td>
</tr>
<tr>
<td>Appearance</td>
<td></td>
</tr>
<tr>
<td>pH</td>
<td>6 – 8 upon dilution in water</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>.90 – 1.19 g/cm³</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>&gt;212°F</td>
</tr>
<tr>
<td>Flash Point</td>
<td>&gt; 200°C</td>
</tr>
<tr>
<td>Melting point/Freeze point</td>
<td>Unknown</td>
</tr>
<tr>
<td>Viscosity, cps</td>
<td>250 - 3000@104°F</td>
</tr>
</tbody>
</table>

SECTION X. STABILITY AND REACTIVITY DATA

<table>
<thead>
<tr>
<th>Property</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stability</td>
<td>Stable under recommended storage conditions.</td>
</tr>
<tr>
<td>Conditions to avoid</td>
<td>No data available.</td>
</tr>
<tr>
<td>Materials to avoid</td>
<td>Oxidizing agents.</td>
</tr>
<tr>
<td>Hazardous decomposition</td>
<td>Under fire conditions, oxides of carbon and nitrogen.</td>
</tr>
<tr>
<td>Hazardous polymerization</td>
<td>Hazardous Polymerization will not occur.</td>
</tr>
</tbody>
</table>

SECTION XI. TOXICOLOGICAL INFORMATION

<table>
<thead>
<tr>
<th>Property</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity</td>
<td>LD50 Acute Oral Toxicity &gt; 5000 mg/kg Rat</td>
</tr>
<tr>
<td></td>
<td>LD50 Acute dermal toxicity &gt; 2000mg/kg Rabbit</td>
</tr>
<tr>
<td>Skin corrosion/irritation</td>
<td>Acute dermal irritation Rabbit 4.0 based on a 72 hour observation</td>
</tr>
<tr>
<td>Serious eye damage/eye irritation</td>
<td>Acute eye irritation Rabbit effects cleared in 7 days</td>
</tr>
<tr>
<td>Respiratory or skin sensitization</td>
<td>No data available.</td>
</tr>
<tr>
<td>Germ cell mutagenicity</td>
<td>No data available</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>No data available</td>
</tr>
<tr>
<td>Reproductive toxicity</td>
<td>No data available</td>
</tr>
<tr>
<td>Teratogenicity</td>
<td>No data available</td>
</tr>
<tr>
<td>Specific target organ</td>
<td>No data available</td>
</tr>
<tr>
<td>toxicity - single exposure</td>
<td></td>
</tr>
<tr>
<td>(Globally Harmonized System)</td>
<td></td>
</tr>
<tr>
<td>Specific target organ</td>
<td>No data available</td>
</tr>
<tr>
<td>toxicity - repeated</td>
<td></td>
</tr>
</tbody>
</table>
exposure (Globally Harmonized System)

Aspiration hazard: No data available

Potential health effects:

- **Inhalation/Ingestion:** May be harmful if inhaled and ingested.
- **Skin:** May cause skin irritation.
- **Eyes:** May cause eye irritation

Signs and Symptoms of Exposure: To best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated

Synergistic effects: No data available

### SECTION XII. ECOLOGICAL INFORMATION

**Toxicity**

Fish Test Results. Test: Acute toxicity, freshwater (OECD 203), Rainbow trout 120mg/l, 96hrs.

**Persistence and degradability**

No data available

**Bioaccumulative potential**

No data available

**Mobility in soil**

No data available

**PBT and vPvB assessment**

No data available

### SECTION XIII. DISPOSAL CONSIDERATIONS

**Product**

Dispose in accordance with local, state and federal agencies. Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

**Contaminated packaging / Spills**

Dispose of as unused product. Soak up with absorbent material. Keep in suitable and closed containers for disposal.

### SECTION XIV. TRANSPORT INFORMATION

**DOT (US)**

Not regulated

**IMDG**

Not regulated

**IATA**

Not regulated

### SECTION XV. REGULATORY INFORMATION

**OSHA Hazards**

This product is considered non-hazardous under the OSHA Hazard Communication Standard (29CFR1910.1200). This product is not controlled under the Canadian Workplace Hazardous Materials Information System (WHMIS).

**SARA 302 Components**

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
SARA 313 Components

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards

This product is not a hazardous chemical under 29CFR1900.1200 and therefore is not covered by Title III of SARA.

California Prop. 65 Components

The following statement is made in order to comply with the California Safe Drinking Water and Toxic Enforcement Act of 1986: This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

International Inventories

USA (TSCA) All components of this product are either listed on the U.S. Toxic Substances Control Act TSCA inventory of chemicals or are otherwise compliant with TSCA regulations. Mixture is not listed.

Canada (DSL) All components of this product are either listed on the inventory or are exempt from listing.

Section XVI. OTHER INFORMATION

HMIS (U.S.A.)

National Fire Protection Association (U.S.A.)

1 Fire Hazard

0 Reactivity

Specific Hazard

Text of H-code(s) and R-phrase(s) mentioned in Section 3

Notice to Reader

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