1. Identification

Product identifier
Trade name SL-FRHF-46FG
Product description Synthetic Fire Resistant Hydraulic Fluid - Food Grade

Details of the supplier of the safety data sheet
Manufacturer/supplier Synthetic Lubricants & Filters, Inc
7401 University Drive - Shreveport, LA 71105
318-779-0682

Emergency telephone number 318-779-0682

2. Hazard(s) Identification

Classification of the substance or mixture The substance is not classified according to the Globally Harmonized System (GHS).

Label elements
GHS label elements Non-regulated material
Hazard pictograms Non-regulated material
Signal word Non-regulated material
Hazard statements Non-regulated material

Classification System

NFPA ratings (scale 0-4)
Health=0; Fire=1; Reactivity=0

HMIS-ratings (scale 0 - 4)
Health=0; Fire=1; Reactivity=0
3. Composition / Information on Ingredients
Chemical characterization Mixtures
Description Mixture of the substances listed below with nonhazardous additions
Dangerous Components Non-regulated material

4. First-aid Measures
Description of first aid measures
General information No special measures required
After inhalation Supply fresh air; consult doctor in case of complaints
After skin contact Generally the product does not irritate the skin
After eye contact Rinse opened eye for several minutes under running water
After swallowing If symptoms persist, consult doctor
Most important symptoms and effects, both acute and delayed No further relevant information available
Indication of any immediate medical attention and special treatment needed No further relevant information available

5. Fire-fighting Measures
Extinguishing media
Suitable extinguishing agents CO₂ or Powder. Water mist to cool, no direct water spray. Collect spillage.
Special hazards arising from the substance or mixture No further relevant information available
Advice for firefighters
Protective equipment As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent), and full protective gear to prevent contact with skin and eyes.

6. Accidental Release Measures
Personal precautions, protective equipment and emergency procedures Not required
Environmental precautions No special measures required
Methods and material for containment and cleaning up Absorb with liquid-binding material (i.e. sand, diatomite, acid binders, universal binders, sawdust). Dispose of the collected material according to regulations.
Reference to other sections
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.
7. Handling and Storage

Precautions for safe handling
No special measures required

Information about protection against explosions and fires
No special measures required

Conditions for safe storage, including any incompatibilities

Storage

Requirements to be met by storerooms and receptacles
No special requirements

Information about storage in one common storage facility
Not required

Further information about storage conditions
None

Specific end use(s)
No further relevant information available

8. Exposure Controls / Personal Protection

Additional information about design of technical systems
No further data; see section 7

Control parameters

Components with occupational exposure limits
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace

Additional information
The lists that were valid during the creation were used as basis

Exposure controls

Personal protective equipment

General protective and hygienic measures
The usual precautionary measures for handling chemicals should be followed

Breathing equipment
Normally not necessary. If mist is generated, wear approved organic vapor respirator suitable for oil mist areas with sufficient oxygen.

Protection of hands
Normally none required, for direct contact of more than 2 hours, PVC, Viton, or Nitrile gloves are recommended.

Material of gloves
Not required

Penetration time of glove material
Not applicable

Eye protection
Normally none required, chemical goggles if splashing is likely or high pressure systems are used.
# 9. Physical and Chemical Properties

Information on basic physical and chemical properties

## General Information

### Appearance

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Form</td>
<td>Liquid</td>
</tr>
<tr>
<td>Color</td>
<td>See product</td>
</tr>
<tr>
<td>Odor</td>
<td>Mild</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>Not determined</td>
</tr>
<tr>
<td>pH-value</td>
<td>Not determined</td>
</tr>
</tbody>
</table>

### Change in condition

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Melting point/Melting range</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Boiling point/Boiling range</td>
<td>&gt;570°F (&gt;298°C)</td>
</tr>
<tr>
<td>Flash Point</td>
<td>&gt;500°F (&gt;260°C)</td>
</tr>
<tr>
<td>Flammability (solid, gaseous)</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

### Ignition temperature

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Decomposition temperature</td>
<td>Not determined</td>
</tr>
<tr>
<td>Auto-igniting</td>
<td>Not determined</td>
</tr>
<tr>
<td>Danger of explosion</td>
<td>Not determined</td>
</tr>
</tbody>
</table>

### Explosion limits

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lower</td>
<td>Not determined</td>
</tr>
<tr>
<td>Upper</td>
<td>Not determined</td>
</tr>
<tr>
<td>Vapor Pressure @ 20 DEG C</td>
<td>&lt;0.003 kPa</td>
</tr>
<tr>
<td>Density @ 20 DEG C</td>
<td>0.85-0.88</td>
</tr>
<tr>
<td>Relative Density</td>
<td>Not determined</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>Not determined</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>Not determined</td>
</tr>
<tr>
<td>Solubility in/Miscibility with Water</td>
<td>Not miscible</td>
</tr>
<tr>
<td>Partition coefficient (n-octanol/water)</td>
<td>Not determined</td>
</tr>
</tbody>
</table>

### Viscosity

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Viscosity - Dynamic</td>
<td>Varies with grade</td>
</tr>
<tr>
<td>Viscosity - Kinematic</td>
<td>Varies with grade</td>
</tr>
</tbody>
</table>

### Solvent content

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Organic solvents</td>
<td>0.00%</td>
</tr>
<tr>
<td>Other Information</td>
<td>No further information</td>
</tr>
</tbody>
</table>
10. Stability and Reactivity

Reactivity
No further relevant information available

Chemical stability
Stable under normal conditions

Thermal decomposition / conditions to be avoided
No decomposition if used according to specifications

Possibility of hazardous reactions
No dangerous reactions known

Conditions to avoid
No further relevant information available

Incompatible materials
No further relevant information available

Hazardous decomposition products
No dangerous decomposition products known

11. Toxicological Information

Information on toxicological effects

Acute toxicity

Primary irritant effect

On the skin
No irritating effect

On the eye
No irritating effect

Additional toxicological information
The product is not subject to classification according to internally approved calculation methods for preparations: When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

Carcinogenic categories

IARC (International Agency for Research on Cancer)
None of the ingredients are listed.
Group 1 - Carcinogenic to humans
Group 2A - Probably carcinogenic to humans
Group 2B - Possibly carcinogenic to humans
Group 3 - Not classifiable as to its carcinogenicity to humans
Group 4 - Probably not carcinogenic to humans

NTP (National Toxicology Program)
None of the ingredients are listed

OSHA-Ca (Occupational Safety & Health Administration)
None of the ingredients are listed

12. Ecological Information

Toxicity
No data is available on this product

Aquatic toxicity
No further relevant information available

Persistence and degradability
No further relevant information available

Bioaccumulative potential
No further relevant information available

Mobility in soil
No further relevant information available

Additional ecological information
12. Ecological Information (continued)

General notes
Generally not hazardous for water

Results of PBT and vPvB assessment
PBT Not applicable
vPvB Not applicable
Other adverse effects No further relevant information available

13. Disposal Considerations

Waste treatment methods
Recommendation Smaller quantities can be disposed of with household waste. Recycle or dispose with household trash.
Uncleaned packagings Recommendation Disposal must be made according to official regulations.

14. Transportation Information

UN-Number
DOT, ADN, IMDG, IATA Non-regulated material
ADR Non-regulated material

UN proper shipping name
DOT, ADN, IMDG, IATA Non-regulated material

Transport hazard class(es)
DOT, ADN, IMDG, IATA Non-regulated material

Class Non-regulated material

Packing group
DOT, ADN, IMDG, IATA Non-regulated material

Environmental hazards
Marine pollutant No
Special precautions for user Not applicable
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable

UN "Model Regulation" —
15. Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture

Sara

Section 355 (extremely hazardous substances) None of the ingredients are listed
Section 313 (Specific toxic chemical listings) None of the ingredients are listed
TSCA (Toxic Substances Control Act) None of the ingredients are listed

Proposition 65

Chemicals known to cause cancer None of the ingredients are listed
Chemicals known to cause reproductive toxicity for females None of the ingredients are listed
Chemicals known to cause reproductive toxicity for males None of the ingredients are listed
Chemicals known to cause developmental toxicity None of the ingredients are listed

Carcinogenic categories

EPA (Environmental Protection Agency) None of the ingredients are listed
TLV (Threshold Limit Value established by ACGIH) None of the ingredients are listed
NIOSH-Ca (National Institute for Occupational Safety and Health) None of the ingredients are listed

GHS label elements Non-regulated material
Hazard pictograms Non-regulated material
Signal word Non-regulated material
Hazard statements Non-regulated material
National regulations Non-regulated material
State Right to Know Non-regulated material
Chemical safety assessment A Chemical Safety Assessment has not been carried out.
16. Other Information

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied and shall not establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose.

Date of preparation / last revision 02/19/2016 / 1

- ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
- ADN: The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
- IMDG: International Maritime Code for Dangerous Goods
- DOT: US Department of Transportation
- IATA: International Air Transport Association
- ACGIH: American Conference of Governmental Industrial Hygienists
- EINECS: European Inventory of Existing Commercial Chemical Substances
- ELINCS: European List of Notified Chemical Substances
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- NFPA: National Fire Protection Association (USA)
- HMIS: Hazardous Materials Identification System (USA)