SL-FRHF-68FG
Synthetic Fire Resistant Hydraulic Fluid - Food Grade

Safety Data Sheet (SDS)

1. Identification

Product identifier
Trade name SL-FRHF-68FG
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, ADR, ADN, IMDG, IATA Non-regulated material

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

Class Non-regulated material

Packing group
DOT, ADR, 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

Abbreviations and acronyms

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)