SL-FRHF-46

Synthetic Fire Resistant Hydraulic Fluid

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g), Rev. 2012 and GHS Rev 03.

1. Identification

Product identifier	
Trade name	SL-FRHF-46
Product description	Synthetic Fire Resistant Hydraulic Fluid
Details of the supplier of the safety of	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

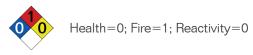
Classification of the substance or mixture The substance is not classified according to the Globally Harmonized System (GHS).

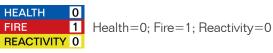
Label elements GHS label elements Hazard pictograms Signal word Hazard statements Classification System

NFPA ratings (scale 0-4)

HMIS-ratings (scale 0 - 4)

Non-regulated material Non-regulated material Non-regulated material Non-regulated material







3. Composition / Information on Ingredients

Chemical characterizationMixturesDescriptionMixture of the substances listed below with nonhazardous additionsDangerous ComponentsNon-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 Special hazards arising from the substance or mixture

Advice for firefighters

Protective equipment

CO₂ or Powder. Water mist to cool, no direct water spray. Collect spillage. No further relevant information available

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 Environmental precautions Methods and material for containment and cleaning up

Reference to other sections

Not required

No special measures required

Absorb with liquid-binding material (i.e. sand, diatomite, acid binders, universal binders, sawdust). Dispose of the collected material according to regulations.

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 Form Color Odor Odor Threshold pH-value Change in condition Melting point/Melting range Boiling point/Boiling range Flash Point Flammability (solid, gaseous) Ignition temperature Decomposition temperature Auto-igniting Danger of explosion **Explosion** limits Lower Upper Vapor Pressure @ 20 DEG C Density @ 20 DEG C **Relative Density** Vapor Density **Evaporation Rate** Solubility in/Miscibility with Water Partition coefficient (n-octanol/water) Viscosity Viscosity - Dynamic Viscosity - Kinematic Solvent content Organic solvents Other Information

Liquid See product Mild Not determined Not determined

Not applicable >570°F (>298°C) >400°F (>205°C) Not applicable

Not determined Not determined Not determined

Not determined Not determined <0.003 kPa 0.85-0.89 Not determined Not determined Not determined Not miscible Not determined

Varies with grade Varies with grade

0.00% No further information



10. Stability and Reactivity

further relevant information available
ble under normal conditions
decomposition if used according to specifications
dangerous reactions known
further relevant information available
further relevant information available
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

Additional ecological information
Mobility in soil
Bioaccumulative potential
Persistence and degradability
Aquatic toxicity
Toxicity

No data is available on this product No further relevant information available No further relevant information available No further relevant information available



12. Ecological Information (continued)

General notesGenerally not hazardous for waterResults of PBT and vPvB assessmentVestPBTNot applicablevPvBNot applicableOther adverse effectsNo 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	
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

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

Abbreviations

02/19/2016 / 1

s and acronyms	 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 Danger- ous 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)
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