



LUBRI-LOY.

Safety Data Sheet

Issuing Date 01-Jan-2014

Revision Date 26-June-2015

Version 1

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

1.1. Product Identifier
Product Name Synthetic Hydraulic Lubricant, Food Grade H1, ISO 15, 22, 32, 46, 68, 100, 150
HFSH1-015, HFSH1-015-640, HFSH1-022, HFSH1-022-640, HFSH1-032,
HFSH1-032-640, HFSH1-046, HFSH1-046-640, HFSH1-068, HFSH1-068-640,
HFSH1-100, HFSH1-100-640, HFSH1-150, HFSH1-150-640

1.2. Identified uses / uses advised against

Identified uses: Food Grade Hydraulic-Compressor Lubricants for enclosed gear boxes, heavy duty chains, bearings, blowers, slideways, guide posts and other mechanical equipment / Consult local restrictions.

1.3. Supplier details
Company/Address: The Lubri-Loy Company
150 Enterprise Dr.
Wentzville, MO 63385
Tel: (636) 561-5007

1.4 Transportation emergency contact: Chem Tel 800.255.3924

2. HAZARDS IDENTIFICATION

2.1. Classification of substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]: Not classified

Classification according to Directive 67/548/EEC or 1999/45/EC: Not classified

Adverse effects: At high temperatures, vapors may be generated which may be considered hazardous at concentrations exceeding 5 mg/m³.

2.2. Label elements: NFPA Code: Not established
HMIS Code: Health-0. Flammability-1, Reactivity-0

2.3. Other hazards: The toxicity of these products has not been fully investigated. Analogous compounds are considered essentially nontoxic. These products contain no known carcinogens and do not meet the PBT/vPvB criteria of REACH, annex XIII. Prolonged/repetitive skin contact may cause skin defatting or dermatitis; ingestion may have laxative effect.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substance

<u>Component</u>	<u>CAS No.</u>	<u>% by Wt.</u>
1-Decene, Homopolymer, hydrogenated	68037-01-4	90 – 99
Proprietary Additives		1 – 10

4. FIRST AID MEASURES

4.1. General information:

Eye: Flush immediately with large amounts of water and consult a physician

<i>Skin:</i>	Wash exposed area of skin with water. Wash contaminated clothing before reuse.
<i>Ingestion:</i>	Call a physician at once. DO NOT INDUCE VOMITING.
<i>Inhalation:</i>	If oil mist is inhaled, remove to fresh air and consult a physician.

4.2. Most important symptoms and effects, acute and delayed
Symptoms/injuries: Ingestion may cause nausea and diarrhea.

4.3. Indication of any immediate medical attention and special treatment needed: See 4.1 and 4.2.

5. FIRE-FIGHTING MEASURES

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| 5.1. Extinguishing media: | Dry chemical, carbon dioxide, foam, steam or water fog, agents approved for Class B hazards. |
| <i>Unsuitable extinguishing media:</i> | Water streams will scatter liquid and spread fire, but may be used to keep fire-exposed containers and surroundings cool. |
| 5.2. Special hazards: | Burning fluid may evolve irritating/noxious fumes. |
| <i>Fire hazard:</i> | Flash points are 243°C/470°F minimum. |
| 5.3. Advise for firefighters: | |
| <i>Firefighting instruction:</i> | Cool unaffected containers and remove to safety. |
| <i>Firefighting protection:</i> | Firefighters should wear full bunker gear, including a positive pressure self-contained breathing apparatus. |

6. ACCIDENTAL RELEASE MEASURES

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| 6.1. Personal precautions, protective equipment and emergency procedures | |
| <i>Emergency responders:</i> | Appropriate breathing apparatus, protective clothing gloves and eye/face protection. No smoking. |
| <i>Emergency procedures:</i> | Remove all sources of ignition. Keep away from heat/sparks/open flames/hot surfaces. |
| 6.2. Environmental precautions | Prevent spills from entering sewers and public waters. Treat as oil spill. |
| 6.3. Containment / Cleanup | |
| <i>Containment:</i> | Dike around spill; cover spill with inert absorbent material [e.g. sand, sawdust or commercially-available materials]. |
| <i>Cleanup:</i> | Remove mechanically with nonsparking tools into containers, seal and dispose of in accordance with current applicable regulations
Wash spill area with large amounts of water. |
| 6.4 Reference to other sections | Refer to Section 8. |

7. HANDLING AND STORAGE

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| 7.1. Handling | Observe good industrial hygiene practices. Avoid contact with skin, eyes and clothing. Do not take internally. |
| 7.2. Storage | Store away from strong oxidizing agents, combustible material and excessive heat. Keep containers tightly sealed when not in use. |

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters applicable in the United States

<i>Limits:</i> OSHA PEL:	5 mg/m ³ (oil mist) (1989) (1971)
ACGIH TLV-TWA"	5 mg/m ³ (oil mist)
ACGIH TLV-STEL:	10 mg/m ³ (oil mist)

8.2. Appropriate exposure controls	Control airborne concentrations below the exposure guidelines. Provide local exhaust or general room ventilation to minimize vapor concentrations. Provide emergency eye wash fountains and safety showers.
<i>Eye:</i>	Wear protective goggles or face shield if splashing is possible.
<i>Skin:</i>	Protective gloves/clothing are recommended.
<i>Inhalation:</i>	Avoid breathing mist; use in well-ventilated area with local exhaust.
<i>Environmental controls:</i>	Avoid release to the environment. Notify authorities if product enters sewers or public waters.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Basic physical and chemical properties

<i>Appearance / Odor:</i>	Clear liquid, yellow to light brown tint / None
<i>pH:</i>	Not determined
<i>Vapor Pressure:</i>	< 0.01 mm Hg@ 20°C (68°F)
<i>Volatiles:</i>	0% by volume
<i>Evaporation Rate (butyl acetate = 1)</i>	Nil
<i>Boiling Point:</i>	>149°C (300°F)
<i>Melting Point:</i>	Not applicable
<i>Solubility:</i>	Insoluble
<i>Specific Gravity (Water=1):</i>	0.840 - 0.852 @ 25°C/25°C (77°F)
<i>Flash Point / Method</i>	243°C/470°F minimum / Cleveland Open Cup

10. STABILITY AND REACTIVITY

10.1. Reactivity	Unknown
10.2. Chemical Stability	Generally stable
10.3. Hazardous reactions	Hazardous polymerization will not occur
10.4. Conditions to avoid	Excessive heat and open flames
10.5. Materials to avoid	Strong oxidizers
10.6. Hazardous decomposition products	Analogous compounds evolve carbon dioxide, carbon monoxide and other unidentified fragments when burned.
10.7. Hazardous polymerization	Will not occur

11. TOXICOLOGICAL INFORMATION

11.1. Toxicity	These products contain no known carcinogens.
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12. ECOLOGICAL INFORMATION

12.1	No definitive information available on ecological impact if product is released to the environment
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13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods	Disposal must be in accordance with applicable federal, state, or local regulations. "Empty" drums should not be given to individuals.
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14. TRANSPORT INFORMATION

14.1. General Information	Not regulated by U.S. DOT
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15. REGULATORY INFORMATION

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

CERCLA Sections 102A/103 Hazardous Substances:	Not reportable
SARA Title III Section 302 Extremely Hazardous Substances:	Not regulated
SARA Title III Section 313:	Not regulated
U.S. Inventory (TSCA):	Components listed
FOOD CONTACT STATUS	
FDA 21 CFR 178.3570:	Compliant
NSF: H1 Status	Registered
Kosher Certification:	Compliant

15.2. Chemical safety assessment

Incomplete

16. OTHER INFORMATION

This material safety data sheet and the information it contains are offered in good faith as accurate. We have reviewed any information contained in this data sheet, which we received from sources outside our company. We believe that information to be correct but cannot guarantee its accuracy or completeness. Health and safety precautions in this data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use product(s) safely and to comply with all applicable laws and regulations. No statement made in this data sheet shall be construed as a permission or recommendation for the use of any product in a manner that might infringe existing patents. No warranty is made, either expressed or implied.

End of SDS