LUBRI-LOY®
PREMIUM LUBRICANTS & GREASES

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# MATERIAL SAFETY DATA SHEET

**HFSH1**

# LUBRI-LOY FOOD GRADE H1 SYNTHETIC HYDRAULIC & COMPRESSOR FLUID

## POLYALPHAOLEFIN · SYNTHETIC HYDROCARBON · ALL ISO GRADES

**LUBRI-LOY CATALOG #:** HFSH1-022-640, HFSH1-022, HFSH1-032-640, HFSH1-032, HFSH1-046-640, HFSH1-046, HFSH1-068-640, HFSH1-068, HFSH1-100-640, HFSH1-100

**DATE ISSUED:** 9/29/2009 **REPLACES ISSUE:** 1/26/2007

## I PRODUCT IDENTIFICATION AND EMERGENCY INFORMATION

| | |
|---|---|
| **Product Name** | Lubri-Loy **Food Grade H1 Synthetic Hydraulic & Compressor Fluid** |
| **Lubri-Loy Catalog #'s** | HFSH1-022-640, HFSH1-022, HFSH1-032-640, HFSH1-032, HFSH1-046-640, HFSH1-046, HFSH1-068-640, HFSH1-068, HFSH1-100-640, HFSH1-100 |
| **Chemical Name** | Polyalphaolefin |
| **Chemical Family** | Synthetic Hydrocarbon |
| **Date Issued** | 9/29/2009 |
| **Replaces Issue** | 1/26/2007 |
| **24-Hr. Emergency Phone** | CHEMTREC (800) 424-9300 |

## II COMPONENTS AND HAZARD INFORMATION

| COMPONENT | CAS # | RANGE % BY WT. |
|---|---|---|
| 1-Decene, Homopolymer, hydrogenated | 68037-01-4 | 90 – 99 |
| Additives | Proprietary | 1 - 10 |

This material complies with Food and Drug Administration CFR21 178.3570

HMIS Ratings: Health = 0 Fire = 1 Reactivity = 0
NFPA Code: Not established

## III HEALTH AND HAZARD INFORMATION

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|---|---|
| **Emergency Overview** | This product contains no known carcinogens. No special warning labels are required under OSHA 29 CFR 1910.1200. |
| **Potential Health Effects** | To the best of our knowledge the toxicity of this product has not been fully investigated. Analogous compounds are considered essentially nontoxic. |
| **Eye Contact** | No available data |
| **Skin Contact** | No available data |
| **Ingestion** | May cause nausea and diarrhea |
| **Inhalation** | Nontoxic |

## IV FIRST AID MEASURES

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|---|---|
| **Eye** | Flush immediately with large amounts of water and consult a physician. |
| **Skin** | Wash exposed area of skin with soap and water. Wash contaminated clothing before reuse. |
| **Ingestion** | Consult a physician at once. DO NOT INDUCE VOMITING. |
| **Inhalation** | If oil mist is inhaled, remove to fresh air and consult a physician. |

## V FIRE FIGHTING MEASURES

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|---|---|
| **Flash Point, COC** | 471, 504, 522, 519°F respectively |
| **Flammable Limits** | LEL (% vol. in air): Not determined<br>UEL (% vol. in air): Not determined |
| **Autoignition Temperature** | Not determined |
| **Flammability Classification** | HMIS Ratings: Health-0, Flammability-1, Reactivity-0. NFPA Ratings: not established. |
| **Extinguishing Media** | Dry chemical, carbon dioxide, foam or water fog. |
| **Unusual Fire and Explosion Hazards** | Burning fluid may evolve irritating/noxious fumes. |
| **Special Fire Fighting Techniques** | Firefighters should use NIOSH/MNSAapproved self-contained breathing apparatus. Use water spray to keep fireexposed containers and surroundings cool. Use water carefully near exposed liquid to avoid frothing and splashing of hot liquid. |

## VI ACCIDENTAL RELEASE MEASURES

Wear suitable protective equipment, especially goggles. Stop source of spill; dike spill area. Remove all sources of ignition. Cover spill with inert absorbent material [e.g. sand, sawdust or commercially-available materials] and shovel with nonsparking tools into container. Remove containers to a safe area and seal.

Dispose of this product and all associated wastes by incineration in a licensed facility in accordance with current Federal, stat and local laws and regulations. Wash spill area with large amounts of water.

## VII HANDLING AND STORAGE

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

## VIII EXPOSURE CONTROLS / PERSONAL PROTECTION

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|---|---|
| **Eye/Face** | Goggles |
| **Skin** | Protective gloves not required, but recommended, especially for prolonged exposure. |
| **Inhalation** | Use in well-ventilated area with local exhaust. Avoid breathing mist. |
| **Exposure Guidelines** | Threshold limit Value – 5mg/$m^3$ ACGIH |

## IX CHEMICAL AND PHYSICAL PROPERTIES

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|---|---|
| **Appearance/Odor** | Clear liquid, yellow to light brown tint/None |
| **Volatiles, % by Volume** | 0 |
| **Vapor Pressure at 20°C (68°F), mm Hg** | < 0.01 |
| **Boiling Point** | >300°F |
| **Evaporation Rate (butyl acetate = 1)** | Nil |
| **Solubility in Water** | Insoluble |
| **Specific Gravity (water = 1)** | 0.8284, 0.8333, 0.8362, 0.8410 respectively |

## X STABILITY AND REACTIVITY

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|---|---|
| **Stability** | Generally stable |
| **Conditions to Avoid** | Excessive heat and open flames |
| **Materials to Avoid** | Strong oxidizers |
| **Hazardous Decomposition** | Analogous compounds evolve carbon dioxide, carbon monoxide and other unidentified fragments when burned. See Section 5. |
| **Hazardous Polymerization** | Will not occur. |

## XI TOXICOLOGICAL INFORMATION

This product contains no known carcinogens. No special warning labels are required under OSHA 29 CFR 1910.1200.

## XII ECOLOGICAL INFORMATION

No data available

## XIII DISPOSAL INFORMATION

Disposal must be in accordance with applicable Federal, state, or regulations. "Empty" drums should not be given to individuals.

## XIV TRANSPORTATION INFORMATION

U.S. Department of Transportation: Not regulated.

## XV REGULATORY INFORMATION

CERCLA Sections 102A/103 Hazardous Substances (40 CFR Part 302.4):
Not reportable.

SARA Title III Section 302 Extremely Hazardous Substances (40 CFR Part 355): Not regulated.

SARA Title III Section 313 (40 CFR Part 372): Not regulated.

U.S. Inventory (TSCA): All components comply with TSCA.

## XVI OTHER INFORMATION

This material safety data sheet and the information it contains is offered to you 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 this product 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.