

SAFETY DATA SHEET

SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

| | | | |
|--|--------------|----------------------|---|
| Product Identifier: FS Industrial Hydraulic Oil ISO 68 (Canada) | | | WHMIS: Not controlled |
| Product Use: <i>Hydraulic fluid</i> | | | |
| Manufacturer's Name: Forsythe Lubrication Associates | | | |
| Street Address: 120 Chatham Street | | | |
| City: Hamilton | Province: ON | Postal Code: L8P 2B5 | Emergency Telephone: 905-525-7192 |

SECTION 2 – HAZARDS IDENTIFICATION

| | |
|---|--|
| Emergency Overview: | |
| Classification in accordance with 29 CFR 1910.1200 | Not hazardous according to classification criteria |
| GHS Label elements | |
| Symbol(s): | None needed according to classification criteria |
| Signal Word: | None needed according to classification criteria |
| Hazard Statement(s): | None needed according to classification criteria |
| Precautionary Statements – Prevention | |
| None needed according to classification criteria | |
| Precautionary Statements – Response | |
| None needed according to classification criteria | |
| Precautionary Statements – Storage | |
| None needed according to classification criteria | |
| Precautionary Statements – Disposal | |
| Dispose of in accordance with all applicable federal, state and local regulations | |
| Hazards not otherwise classified (HNOC) | |
| Repeated exposure may cause skin dryness or cracking | |

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

| Component | % by wt. | CAS Number |
|----------------------------------|----------|------------------------|
| Lubricating oils, petroleum | > 95 | 64742-58-1, 64742-65-0 |
| Non-hazardous additives | < 5.0 | Mixture |
| Zinc C1-C14 alkyldithiophosphate | < 1.0 | 68649-42-3 |

SECTION 4 – FIRST AID MEASURES

| | |
|----------------------|---|
| EYE CONTACT: | Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if needed. |
| SKIN CONTACT: | Wash with plenty of soap and water. Get medical attention if needed. |
| INHALATION: | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention, if needed. |
| INGESTION: | Immediately call a POISON CENTER or doctor/physician. |

SECTION 5 – FIRE FIGHTING MEASURES

| | |
|--|--|
| SUITABLE EXTINGUISHING MEDIA: | Carbon dioxide, regular foam, dry chemical, water spray or water fog. Water or foam may cause frothing. |
| UNSUITABLE EXTINGUISHING MEDIA: | Do not use high-pressure water streams. |
| SPECIFIC HAZARDS DURING FIREFIGHTING: | Move container from fire area if it can be done without risk. Keep containers cool with water spray. Heated containers may rupture or be thrown into the air. "Empty" containers may retain residue and can be dangerous. Product is not sensitive to mechanical impact. |
| COMBUSTION PRODUCTS: | Decomposition and combustion materials may be toxic. Burning may produce sulfur oxides, aldehydes, ketones, carbon monoxide, and unidentified compounds. |
| PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS: | A positive-pressure, self contained breathing apparatus (SCBA) and full body protective equipment are required for fire emergencies. |

SECTION 6 – ACCIDENTAL RELEASE MEASURES

| | |
|---|---|
| PERSONAL PRECAUTIONS: | Wear personal protective clothing and equipment, see Section 8. |
| ENVIRONMENTAL PRECAUTIONS: | Avoid release to the environment. |
| METHOD FOR CONTAINMENT & CLEAN-UP: | Remove all ignition sources. Do not touch or walk through spilled products. Stop leak if you can do it without risk. Wear protective equipment and provide engineering controls as specified in Section 8. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Ventilate area and avoid breathing vapour or mist. Contain spill away from surface water and sewers. Contain spill as a liquid for possible recovery, or absorb with compatible sorbent material and shovel with a clean, spark-proof tool into a sealable container for disposal. Additionally, for large spills: Dike far ahead of liquid spill for collection and later disposal. There may be specific federal regulatory reporting requirements associated with spills, leaks, and releases of this product. |

SECTION 7 – HANDLING & STORAGE

| | |
|-----------------------------|---|
| HANDLING PROCEDURES: | Keep away from sparks or flame. Where flammable mixtures may be present, equipment safe for such locations should be used. Use clean tools and explosion-proof equipment. When transferring large volumes of products, metal containers, including trucks and tank cars, should be grounded and bonded. These products have a low vapour pressure and are not expected to present an inhalation hazard under normal temperatures and pressures. However, when aerosolizing, misting, or heating these products, do not breathe vapour or mist. Use in well ventilated area. Avoid contact with eyes, skin, clothing, and shoes. |
| STORAGE PROCEDURES: | Keep container tightly closed when not in use and during transport. Store containers in a cool, dry place. Do not pressurize, cut, weld, braze, solder, drill, or grind containers. Keep containers away from heat, flame, sparks, static electricity, or other sources of ignition. Empty product containers may retain product residue and can be dangerous. |

All technical information, recommendations and statements contained herein are based on tests we believe to be reliable. It is offered in good faith but without guarantee. We make no warranty expressed or implied as to the suitability of our product for any particular use in operations not under our direct control. Liability is limited to the net purchase price of the product.

SECTION 8 – EXPOSURE CONTROL / PERSONAL PROTECTION

| | |
|---|--|
| CONTROL PARAMETERS | |
| ENGINEERING MEASURES: | Where adequate general ventilation is unavailable, use process enclosures, local exhaust ventilation, or other engineering controls. |
| <u>PERSONAL PROTECTIVE EQUIPMENT</u> | |
| RESPIRATORY PROTECTION: | No respiratory protection is normally required. Use NIOSH-certified P- or R-series particulate filter and organic vapour cartridges when concentration or vapour or mist exceeds applicable exposure limits. Protection provided by air purifying respirators is limited. Do not use N-rated respirators. Selection and use of respiratory protective equipment should be in accordance in the USA with OSHA General Industry Standard 29 CFR 1910.134; or in Canada with CSA Standard Z94.4. Consult with a health and safety professional for specific respirators appropriate for your use. |
| EYE PROTECTION: | Safety glasses with side shields should be worn at a minimum. Additional protection like goggles, face shields, or respirators may be needed dependent upon anticipated use and concentrations of mists or vapours. Provide an emergency eye wash fountain and quick drench shower in the immediate work area. Contact lens use is not recommended. |
| SKIN & BODY PROTECTION: | When skin contact is likely, wear neoprene, nitrile, or equivalent protective gloves; use of natural rubber or equivalent gloves is not recommended. |

SECTION 9 – PHYSICAL & CHEMICAL PROPERTIES

| | |
|----------------------------------|-----------------|
| Physical state | Liquid |
| Colour | Clear amber |
| Odour | Petroleum odour |
| Odour Threshold | Not available |
| pH | Not available |
| Melting/freezing point (°C) | Not available |
| Boiling point/boiling range (°C) | > 300 |
| Flash point (°C) | > 200 (COC) |
| Evaporation Rate | Not available |
| Flammability Limit in Air | |
| Upper flammability limit | Not available |
| Lower flammability limit | Not available |

All technical information, recommendations and statements contained herein are based on tests we believe to be reliable. It is offered in good faith but without guarantee. We make no warranty expressed or implied as to the suitability of our product for any particular use in operations not under our direct control. Liability is limited to the net purchase price of the product.

For more information:
 Call 1-800-363-2759 or
 Email: gforsythe@forsythe.on.ca

| | |
|--|---------------|
| Vapour pressure | Not available |
| Specific Gravity | 0.8760 |
| Water Solubility | Insoluble |
| Partition coefficient: n-octanol/water | Not available |
| Auto-ignition temperature (°C) | Not available |
| Kinematic viscosity (cSt) at 40°C | 68 |

SECTION 10 – STABILITY & REACTIVITY

| | |
|---|--|
| REACTIVITY | Non-reactive under normal temperatures and pressures |
| CHEMICAL STABILITY | Stable under normal conditions |
| HAZARDOUS POLYMERIZATION | Will not polymerize |
| CONDITIONS TO AVOID | Avoid sparks, flames, or other sources of ignition |
| INCOMPATIBLE MATERIALS | Avoid oxidizing agents |
| HAZARDOUS DECOMPOSITION PRODUCTS | None under normal temperatures and pressures |

SECTION 11 – TOXICOLOGICAL INFORMATION

| | | | |
|--|--|----------------------|-----------------------|
| <u>Information on likely routes of exposure</u> | | | |
| INHALATION | No information on significant adverse effects | | |
| EYE CONTACT | No information on significant adverse effects | | |
| SKIN CONTACT | Repeated exposure may cause skin dryness or cracking | | |
| INGESTION | May be harmful if swallowed | | |
| Chemical name | Oral LD50 (Rat) | Dermal LD50 (Rabbit) | Inhalation LC50 (Rat) |
| Lubricating oils, petroleum | > 2000 mg/kg | > 4480 mg/kg | - |
| Zinc C1-C14 alkyldithiophosphate | > 5000 mg/kg | - | - |
| <u>Delayed and immediate effects as well as chronic effects from short and long-term exposure</u> | | | |
| Sensitization | No information available for the product | | |
| Mutagenic Effects | No information available for the product | | |
| Carcinogenicity | None of this product's components are listed by ACGIH, IARC, OSHA, NIOSH, or NTP | | |

All technical information, recommendations and statements contained herein are based on tests we believe to be reliable. It is offered in good faith but without guarantee. We make no warranty expressed or implied as to the suitability of our product for any particular use in operations not under our direct control. Liability is limited to the net purchase price of the product.

For more information:
 Call 1-800-363-2759 or
 Email: gforsythe@forsythe.on.ca

| | |
|--------------------------|---|
| Reproductive toxicity | No epidemiological data is available for this product |
| STOT – single exposure | No information on significant adverse effects |
| STOT – repeated exposure | No information on significant adverse effects |
| Aspiration Hazard | No data available |

SECTION 12 – ECOLOGICAL INFORMATION

| | |
|--|--|
| ECOTOXICITY | Toxic to aquatic life |
| | Lubricating oils, petroleum, hydrotreated spent |
| | Duration/Test/Species |
| | Concentration/Conditions |
| | 96 Hr LC50 Brachydanio rerio |
| | 79.6 mg/L [semi-static] |
| | 96 Hr LC50 Pimephales promelas |
| | 3.2 mg/L [semi-static] |
| | Zinc C1-C14 alkyldithiophosphate |
| | Duration/Test/Species |
| | Concentration/Conditions |
| | 96 Hr LC50 Pimephales promelas |
| | 1.0-5.0 mg/L [static] |
| | 96 Hr LC50 Pimephales promelas |
| | 10.0-35.0 mg/L [semi-static] |
| | 48 Hr EC50 Daphnia magna |
| | 1.0-1.5 mg/L |
| PERSISTENCE & DEGRADABILITY | No information available for the product |
| BIOACCUMULATION | No information available for the product |
| OTHER ADVERSE EFFECTS | No additional information is available |

SECTION 13 – DISPOSAL CONSIDERATIONS

| | |
|-------------------------|--|
| DISPOSAL METHODS | Dispose in accordance with federal, state, provincial, and local regulations. Regulations may also apply to empty containers. The responsibility for proper waste disposal lies with the owner of the waste. This product, if discarded, is not expected to be a characteristic or listed hazardous waste. If recycled in the USA, this product can be managed in accordance with the used oil exemption under 40 CFR Part 279. Processing, use, or contamination by the user may change the waste code(s) applicable to the disposal of these products. |
|-------------------------|--|

All technical information, recommendations and statements contained herein are based on tests we believe to be reliable. It is offered in good faith but without guarantee. We make no warranty expressed or implied as to the suitability of our product for any particular use in operations not under our direct control. Liability is limited to the net purchase price of the product.

SECTION 14 – TRANSPORT INFORMATION

| | |
|------------|--|
| <u>DOT</u> | Not regulated as a hazardous material for transportation |
| <u>TDG</u> | Not regulated as a dangerous good for transportation |

SECTION 15 – REGULATORY INFORMATION

| | |
|--|----|
| <u>US FEDERAL REGULATIONS</u> | |
| SARA 302/304 | |
| Based on the ingredient(s) listed in Section 3, this product does not contain any “extremely hazardous substances” listed pursuant to Title III of the Superfund Amendment and Reauthorization Act of 1986 (SARA) Section 302 or 304 as identified in 40 CFR Part 355, Appendix A and B. | |
| SARA 311-312 HAZARD CATERGORIES | |
| Acute Health Hazard | No |
| Chronic Health Hazard | No |
| Fire Hazard | No |
| Reactive Hazard | No |
| SARA 313 | |
| This product contains a “toxic” chemical subject to the requirements of Section 313 of Title II of Superfund Amendment and Reauthorization Act of 1986 (SARA) and 40 CFR Part 372 | |
| <i>Zinc C1-C14 alkylidithiophosphate</i> | |
| CERCLA | |
| Based on the ingredient(s) listed in Section 3, this product does not contain any “hazardous substance” listed under the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA) in 40 CFR Part 302, Table 302.4. | |
| TSCA Inventory | |
| All the components of these products are listed on, or are automatically included as “naturally occurring chemical substances” on, or are exempted from the requirement to be listed on, the TSCA Inventory. | |
| <u>US STATE REGULATIONS</u> | |
| The following components appear on one or more of the following state hazardous substances lists: | |

| Component | CAS # | MA | MN | NJ | PA | CA |
|----------------------------------|------------|-----|----|----|-----|-----|
| Zinc C1-C14 alkyldithiophosphate | 68649-42-3 | Yes | No | No | Yes | Yes |

No component(s) are listed under the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65).

CANADIAN REGULATIONS

| Component | CAS # | CAN |
|---|------------|-----|
| Lubricating oils, petroleum, hydrotreated solvent | 64742-58-1 | DSL |
| Zinc C1-C14 alkyldithiophosphate | 68649-42-3 | DSL |

Canadian WHMIS Information

Not regulated

SECTION 16 – OTHER INFORMATION

Revision date: 08/20/2021