

1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Heat Transfer Fluid ISO 46

**Product Code:** 737

**Chemical Name:** Heat Transfer Fluid

**Chemical Family:** Blend

**Recommended Use:** Heat Transfer Fluid

**Manufacturer:** Scot Lubricants LLC  
6 Horwith Drive  
Northampton, PA 18067

**Emergency Telephone Numbers:** 484-619-1393

Information: 484-275-7990 8am-5pm EST M-F

2. HAZARD IDENTIFICATION

This material is not considered hazardous by OSHA Hazard Communication Standard 29 CFR 1920.1200

Classification of the substance or mixture Not Classified.

GHS label elements

Hazard Pictograms: Non Required

Signal word No Signal Word Not Hazardous

Hazard Statements No know significant effects or critical hazards

Precautionary statements

P273 Avoid release into the environment.

P501 Dispose of contents/container in accordance with local, regional, national and international regulations.

Other Hazards

The mixture consists of substances capable of producing an aspiration hazard. Aspiration may result in chemical pneumonia (fluid in the lungs), severe lung damage, respiratory failure, and even death.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Wt. Percent	Component	CAS#
0 – 87.3	Petroleum distillates, solvent dewaxed	64742-65-0
0 - 10	Heavy paraffinic, Distillates, petroleum, Hydro-treated heavy paraffinic	64742-54-7
0.7-2.7	Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts	648649-42-3

4. FIRST AID MEASURES

**INHALATION:** Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Oxygen should only be administered by qualified personnel. Someone should stay with victim. Get medical attention if breathing difficulty persists.

**EYE CONTACT:** If irritation or redness from exposure to vapor develops, move away from exposure into fresh air. Upon contact, flush with water for at least 15 minutes. If irritation persists, obtain medical assistance.

**SKIN CONTACT:** Remove affected clothing and shoes. Wash with soap and water until no odor remains. Get medical attention if irritation or pain develops or persists. If product is injected under pressure into or under the skin, or into any part of the body, regardless of the appearance of the wound or its size, a physician should immediately evaluate the individual as a medical emergency. Wash clothing before reuse.

**INGESTION:** Do NOT induce vomiting. Immediately get medical attention. If spontaneous vomiting occurs, keep head below hips to avoid breathing the product into the lungs. Never give anything to an unconscious person by mouth.

**NOTE TO PHYSICIANS:** Treat symptomatically and supportively. Treatment may vary with condition of victim and specifics of incident.

## 5. FIRE FIGHTING MEASURES

**Suitable Extinguishing Media:** Use extinguishing media appropriate for surrounding fire.

**Unsuitable Extinguishing Media:** Do not use a heavy water stream. Use of heavy stream of water may spread fire.

**Fire Hazard:** Not flammable but will support combustion.

**Explosion Hazard:** Product is not explosive.

**Reactivity:** Hazardous reactions will not occur under normal conditions.

**Precautionary Fire Measures:** Exercise caution when fighting any chemical fire. Under fire conditions, Hazardous fumes will be present.

**Protection During Firefighting:** Do not enter fire area without proper protective equipment, including respiratory protection.

**Hazardous Combustion Products:** Under fire conditions, may produce fumes, smoke, oxides of carbon and hydrocarbons.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions, Protective Equipment and Emergency Procedures.** Avoid all contact with skin, eyes, or clothing. Avoid breathing (vapor, mist, spray).

**Non-Emergency Personnel:** Use appropriate personal protection equipment (PPE)

**Emergency Personnel:** Protective Equipment – Equip cleanup crew with proper protection

**Emergency Procedures:** Evacuate unnecessary personnel.

Stop Leak if safe to do so. Eliminate ignition sources. Ventilate area.

**Environmental Procedures:** Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

**Containment and Clean Up:** Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Clean spills up immediately and dispose of waste safely. Spills should be contained with mechanical barriers. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

## 7. HANDLING AND STORAGE

**Precautions for Safe Handling:** Any proposed use of this product in elevated-temperature processes should be thoroughly evaluated to assure that safe operating conditions are established and maintained. Practice good housekeeping as spillage can be slippery on smooth surfaces wither wet or dry. Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

**Precautions for Safe Storage:** Comply with applicable regulations. Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials.

**Incompatible Materials:** Strong acids, strong bases, strong oxidizers.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control Parameters:** For substances listed in Section 3 that are not listed here, there are no established Exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including ACGIH (TLV), NIOSH (REL), OSHA (PEL), Canadian provincial governments, or the Mexican government.

### Exposure Controls

**Engineering Controls:** Ensure adequate ventilation, especially in confined areas. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure all national/local regulations are observed.

**Personnel Protective Equipment:** Protective goggles, Gloves



**Materials for Protective Clothing:** Chemically resistant materials and fabrics.

**Hand Protection:** Wear chemically resistant protective gloves.

**Eye Protection:** Chemical goggles or safety glasses.

**Skin and Body Protection:** Wear suitable protective clothing.

**Respiratory Protection:** Use a NIOSH-approved respirator or self-contained breathing apparatus whenever exposure may exceed established Occupational Exposure Limits.

**Environmental Exposure:** Do not allow the product to be released into the environment.

**Consumer Exposure:** Do not eat, drink or smoke during use.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance/Odor:</b>	Amber fluid/Petroleum odor	<b>Odor Threshold:</b>	Not Available
<b>pH:</b>	Not Available	<b>Evaporation Rate:</b>	Not Available
<b>Melting Point:</b>	Not Available	<b>Boiling Point:</b>	Not Available
<b>Flash Point:</b>	200°C/ 400°F	<b>Auto-ignition Temperature:</b>	Not Available
<b>Decomposition Temperature:</b>	Not Available	<b>Flammability (solid, gas)</b>	Not Available
<b>Lower Flammability Limit:</b>	Not Available	<b>Upper flammability Limit:</b>	Not Available
<b>Vapor Pressure:</b>	Not Available	<b>Relative Vapor Density at 20°C:</b>	Not Available
<b>Relative Density:</b>	Not Available	<b>Specific Gravity:</b>	0.85
<b>Solubility:</b>	Negligible	<b>Partition Coefficient:N-Octanol/Water</b>	Not Available
<b>Viscosity:</b>	Not Available	<b>Viscosity, Kinematic:</b>	Not Available
<b>Explosive Properties:</b>	Not Explosive		
<b>Explosive Data – Sensitivity to Mechanical Impact or Static Discharge:</b> Not expected to present an explosion hazard			

## 10. STABILITY AND REACTIVITY

**STABILITY:** Stable under normal temperatures and pressures. Avoid sparks, or flame.

**INCOMPATIBLE MATERIALS:** Avoid oxidizing agents.

**REACTIVITY:** Polymerization is not known to occur under normal temperatures and pressures. Not reactive with water.

**HAZARDOUS DECOMPOSITION:** None under normal temperatures and pressures. Also see **Section 5: Hazardous Combustion Products.**

## 11. TOXICOLOGICAL INFORMATION

**Acute Toxicity:** Not Classified

**LD50 and LC50 Data:** Not Available

**Skin Corrosion/Irritation:** Not Classified

**Eye Damage/Irritation:** Not Classified

**Respiratory or Skin Sensitization:** Not Classified

**Germ Cell Mutagenicity:** Not Classified

**Teratogenicity:** Not Classified

**Carcinogenicity:** Not Classified

**Specific Target Organ Toxicity (Single Exposure):** Not classified

**Aspiration Hazard:** Not classified

**Symptoms/Injuries After Inhalation:** Over exposure may be irritating to the respiratory system.

**Symptoms/Injuries After Skin Contact:** Repeated or prolonged skin contact may cause irritation.

**Symptoms/Injuries After Eye Contact:** Direct contact with the eyes is likely irritating.

**Symptoms/Injuries After Ingestion:** Ingestion is likely to be harmful or have adverse gastrointestinal effects.

**Chronic Symptoms:** Not Classified

**TOXICITY DATA:**

**Heavy paraffinic, Distillates, petroleum, hydro-treated heavy paraffinic (64742-54-7)**

LD50 Oral Rat >2000 mg/kg

LD50 Dermal Rabbit >2 g/kg

**Petroleum distillates, solvent dewaxed (64742-65-0)**

LD50 Oral Rat >5000 mg/kg

LD50 Dermal Rabbit >5 g/kg

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**12. ECOLOGICAL INFORMATION**

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**ECOTOXICITY:** No data available.

**PERSISTENCE/DEGRADABILITY** – Not readily biodegradable.

**BIOACCUMULATIVE POTENTIAL** - Not Available

**MOBILITY IN ENVIRONMENT** – Not Available.

**OTHER ADVERSE EFFECTS** – Not Available

**OCTANOL/WATER PARTITION COEFFICIENT** – Not Available

**VOLATILE ORGANIC COMPOUNDS** - Negligible

**AQUATIC RELEASE** - Advise authorities if product has entered or may enter watercourses or sewer drains.

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**13. DISPOSAL INFORMATION**

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**DISPOSAL:** 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.

**USEPA WASTE CODES:** This product, if discarded, is not expected to be a characteristic or listed hazardous waste. If recycled in the USA, it must be managed in accordance with 40 CFR Part 279. Processing, use or contamination by user may change the waste code(s) applicable to the disposal of these products.

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**14. TRANSPORTATION INFORMATION**

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**DOT**

PROPER SHIPPING NAME Not regulated as a hazardous material for Land Transport

HAZARD CLASS: Not regulated

ID NUMBER: Not regulated

LABEL REQUIRED: Not regulated

IATA: Not regulated

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**15. REGULATORY INFORMATION**

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**U.S. Federal Regulations**

United States Inventory None noted.

**SARA 311/312** Not Classified

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**16. OTHER INFORMATION**

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**DATE ISSUED:** May 18, 2016  
**SUPERSEDES:**  
**REVISION NO.**  
**REVISION INFORMATION:**  
**SDS #:** CODE 737

**SCOT LUBRICANTS LLC**  
**6 HORWITH DRIVE**  
**NORTHAMPTON, PA 18067**  
**484-275-7990**

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