



1. Product Name and Company Details

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| Company Name: | Phoenix Petroleum Philippines Incorporated |
| Head Office: | Phoenix Bulk Depot, Lanang, Davao City, 8000 |
| Taguig Office: | 25 th Flr. Fort Legend Towers 3 rd Ave. cor. 31 st St. Fort Bonifacio Global City, Taguig City, 1634, Philippines |
| Product Name: | HEAT TRANSFER OIL |
| Chemical Family: | Petroleum Hydrocarbon |
| Product Classification: | Heat Transfer Oil |
| Product Description: | ISO VG 32 |
| Emergency Number: | +63 (2) 4034013, +63 (2) 4034025 |

2. Composition / Information on Ingredients

Highly refined mineral base oils-about 95%, OIL additives 5-8%

3. Hazard Identification

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| Warning Statement: | No significant hazard. |
| Eyes Contact: | Causes minor eye irritation characterized by tearing or burning sensation |
| Oral / Ingestion: | If swallowed may cause abdominal discomfort |
| Inhalation: | Breathing of mist or vapor may result to difficulty of breathing |
| Skin Contact: | Prolonged skin contact may result to redness or drying of the skin |

4. First Aid Measures

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| Eyes Contact: | Immediately flush eyes with large amount of water for at least 15 minutes. |
| Skin Contact: | Immediately flush with large amount of water, use soap if available. Remove contaminated clothing, including shoes, after flushing has begun. If irritation persists, get medical attention. |
| Inhalation: | Generally not an inhalation hazard. Using respiratory protection, immediately remove the affected victim from exposure. Administer artificial respiration if breathing is stopped. Keep at rest. Call for prompt medical attention. |
| Ingestion: | Do not induce vomiting. If individual is conscious, give water to dilute stomach contents. Keep warm and quiet. Get prompt medical attention. |

5. Fire Fighting Measures

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| Flash Point: | >200°C |
| Fire Point: | 230°C |
| Flammability Limits: | >200°C |



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| Extinguishing Media: | CO ₂ , dry chemical, or foam |
| Special Firefighting: | Recommend wearing self-contained breathing apparatus. |
| Procedures: | Do not use a water jet, as this may spread the fire. In the absence of suitable extinguishers, sand or earth may be used to smother small fires. |

6. Accidental Release Measures

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| Land Spill: | Contain spilled liquid with sand or earth. Recover by pumping or with a suitable absorbent. If liquid is too viscous for pumping, scrape up with shovel or pails and place in suitable containers for recycle or disposal. Consult an expert on disposal or recovered material and ensure conformity to local disposal regulations. |
| Water Spill: | Consult local environmental authorities. |

7. Handling and Storage

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| Max. Storage temperature, (°C): | 40°C |
| Max. Transport temperature, (°C): | 40°C |
| Handling procedures: | Keep containers closed when not in use. Handle containers with care. Open slowly in order to control possible pressure release. Do not handle, store or open near an open flame. |
| Storage procedures: | No special storage precautions required. |

8. Special Protection Information

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| Ventilation Requirements: | Normal ventilation |
| Respiratory Protection: | Avoid inhalation |
| Eye Protection: | Safety Goggles |
| Protective Gloves: | Rubber or cloth |

9. Physical and Chemical Properties

Typical physical and chemical properties are given below. Consult the supplier in section 1 for additional data.

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| Physical State at 20°C | Liquid |
| Water Solubility | Insoluble |
| Density at 15°C, kg/L | 0.8700 |
| Appearance/Odor | Amber colored liquid |
| Viscosity at 40°C, cSt. | 32.56 |
| Pour Point, °C | -12 |
| Melting Point, °C | Not applicable |
| Flash Point (COC), °C | >200 |

**10. Stability and Reactivity**

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| Stability: | Material is stable under normal conditions. |
| Conditions to avoid: | Excessive heat |
| Materials to avoid: | Strong oxidizers such as chlorates, nitrates, peroxides, etc. |
| Hazardous decomposition product: | Material does not decompose at ambient temperature. |

11. Toxicological Information

No specific toxicological data on this product is available.

12. Ecological Information

May present environmental risks common to oil spills

13. Disposal Consideration

Disposal must be in accordance with current applicable laws and regulations. Contact local authorities for proper environmental disposal of this material.

14. Transport Regulation

DOT: Not regulated

15. Regulatory Information

OSHA Hazard Communication Standard: When used for its intended purposes, this material is not classified as hazardous.

Chemical Name: N/A

16. Other Information

No specific notes on this product

However, no representation, warranty or guarantee is more as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use.

REV.3 effective April , 2018