



# PHOENIX TRANSFORMER OIL

## 1. Product Name and Company Details

<b>Company Name:</b>	Phoenix Petroleum Philippines Incorporated
<b>Head Office:</b>	Phoenix Bulk Depot, Lanang, Davao City, 8000
<b>Taguig Office:</b>	25 <sup>th</sup> Flr. Fort Legend Towers 3 <sup>rd</sup> Ave. cor. 31 <sup>st</sup> St. Fort Bonifacio Global City, Taguig City, 1634, Philippines
<b>Product Name:</b>	TRANSFORMER OIL
<b>Chemical Family:</b>	Petroleum Hydrocarbon
<b>Product Classification:</b>	Transformer Oil
<b>Product Description:</b>	
<b>Emergency Number:</b>	+63 (2) 4034013, +63 (2) 4034025

## 2. Composition / Information on Ingredients

Hydrotreated Base Oil, >99 %V/V  
2, 6-ditertiary Butyl-4-Methyl Phenol, <0.08 %V/V

This product is not formulated to contain ingredients which have exposure limits established by regulatory agencies. It is not hazardous to health as defines by European Union Dangerous Substances/Preparations Directives.

## 3. Hazard Identification

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

## 4. First Aid Measures

<b>Eyes Contact:</b>	Flush thoroughly with plenty of water until irritation stops. If irritation continues, call a physician.
<b>Skin Contact:</b>	Wash contact areas with soap and water.
<b>Inhalation:</b>	Remove the affected person to fresh air. If recovery is not rapid, obtain medical attention.
<b>Ingestion:</b>	Do not induce vomiting. No emergency measures are needed but if adverse health effects follow refer to medical attention.

## 5. Fire Fighting Measures

<b>Flash Point:</b>	146°C
<b>Extinguishing Media:</b>	Water fog, foam, dry chemical powder or carbon dioxide (CO <sub>2</sub> )
<b>Special Firefighting:</b>	For fires in enclosed areas, fire fighters must use self-contained breathing apparatus.



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**Procedures:** Water or foam may cause frothing. However, water spray may be used to cool fire exposed containers and flush spills away from exposure. Prevent any run-offs from fire control entering streams, sewers or drinking water supply.

## 6. Accidental Release Measures

**Land Spill:** Contain and adsorb on fire retardant sawdust or diatomaceous sand/earth. Shovel up and dispose of at an appropriate waste disposal facility in accordance with current, applicable laws and regulations as well as product characteristics at the time of disposal.

**Water Spill:** Prevent spills from entering storm sewers or drains and contact with soil.

## 7. Handling and Storage

**Max. Storage temperature, (°C):** 40°C

**Max. Transport temperature, (°C):** 40°C

**Handling procedures:** No special precautions are necessary beyond normal good hygiene practices. See Section 9 for additional personal protection advice when handling this product.

**Storage procedures:** Do not store in open or unlabelled containers. Water contamination should be avoided. Store away from strong oxidizing agents (e.g. hydrogen peroxides, bromides, chromic acid) or combustible material.

## 8. Special Protection Information

**Ventilation Requirements:** No special requirement. A well-ventilated work place is adequate.

**Respiratory Protection:** No special equipment is necessary in a well-ventilated work place.

**Eye Protection:** Normal industrial eye protection practices should always be employed.

**Protective Gloves:** No special equipment required. However, good personal hygiene practices should always be followed.

## 9. Physical and Chemical Properties

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

<b>Physical State at 20°C</b>	Liquid
<b>Density at 15°C, kg/L</b>	0.8303
<b>Appearance/Odor</b>	Bright and clear/Amber colored liquid
<b>Viscosity at 40°C, cSt.</b>	9.41
<b>Pour Point, °C</b>	-45
<b>Flash Point (COC), °C</b>	146



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## 10. Stability and Reactivity

<b>Stability:</b>	Material is stable under normal conditions.
<b>Conditions to avoid:</b>	Excessive heat and open flame
<b>Materials to avoid:</b>	Strong oxidizers such as chlorates, nitrates, peroxides, etc.
<b>Hazardous decomposition product:</b>	Thermal decomposition or incomplete combustion may produce oxides of carbon and irritating fumes

## 11. Toxicological Information

<b>Inhalation Toxicity (Rats):</b>	Not applicable. Harmful concentrations of mists and/or vapours are unlikely to be encountered through any customary or reasonably foreseeable handling, use or misuse of this product.
<b>Skin Irritation (Rabbits):</b>	Is practically non-irritating (based on testing of essentially similar product; primary irritation index: greater than 0.5 but less than 3).
<b>Eye Irritation (Rabbits):</b>	Is practically non-irritating (based on testing of essentially similar product; primary draize score: 0 or greater, but less than 6).
<b>Oral Toxicity (Rats):</b>	Practically non-toxic ( $LD_{50} > 2000$ mg/kg), based on testing of similar products and/or the components
<b>Dermal Toxicity (Rabbits):</b>	Practically non-toxic ( $LD_{50} > 2000$ mg/kg), based on testing of similar products and/or the components

## 12. Ecological Information

<b>Mobility:</b>	Little mobility in soil. Some components may penetrate the soil causing ground water pollution. Will spread on the water surface.
<b>Degradability:</b>	Not readily biodegradable.
<b>Ecotoxicity/Bioaccumulation:</b>	Not expected to be dangerous for the aquatic environment.

## 13. Disposal Consideration.

<b>Waste Disposal:</b>	Product is suitable for burning in an enclosed, controlled burner for fuel value or disposed by supervised incineration. Such burning may be limited, pursuant to the Resource Conservation and Recovery Act. In addition, the product is suitable for processing by an approved recycling facility or can be disposed of at an appropriate government disposal facility. Use of these methods is subject to user compliance with applicable laws and regulations and consideration of product characteristics at time of disposal.
<b>RCRA Information:</b>	The unused product, to our information, is not specifically listed by EPA as a hazardous waste (49 CFR, Part 261D), nor is it formulated to contain materials which are listed hazardous waste. It does not exhibit the hazardous characteristics of ignitability, corrosivity and/or reactivity and is not formulated with contaminants as determined by the Toxicity and Characteristics Leaching Procedure (TCLP). However, used product may be regulated.



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### 14. Transport Regulation

This product is not classified as a hazardous good for land, sea and air transport according to the respective regulations (USA DOT, IMO, IATA, ADR).

### 15. Regulatory Information

#### EU Labeling/Classification

<b>Symbol(s):</b>	None
<b>Contains:</b>	None
<b>R Phrases:</b>	None
<b>S Phrases:</b>	None
<b>Other Regulation:</b>	None

### 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**