

**HYDROTUR TEP 68****SECTION 1: IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY**

|                 |  |
|-----------------|--|
| Product Name    | <b>HYDROTUR TEP 68</b>   |
| Manufacturer    | PETRON CORPORATION<br>JESUS ST., PANDACAN, MANILA<br>PHILIPPINES |
| Product Type    | Petroleum Hydrocarbons with Additives                            |
| Recommended Use | Hydraulic Fluid  |
| Telephone No.   | (632) 8-884-9200   |
| Website         | www.petron.com   |

**SECTION 2: HAZARDS IDENTIFICATION**

**Classification**  
**GHS CLASSIFICATION** Not Classified as Hazardous Substance

Symbols No Hazard Symbol Required

**GHS LABELING**  
Symbols No Hazard Symbol Required

Other Hazard Information:

Physical / Chemical Hazards No significant hazards.

Health Hazards Not expected to be a health hazard when used under normal conditions.

Environmental Hazards Not classified as dangerous to the environment.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

| Composition  | CAS Number | %Weight     |
|--|------------|-------------|
| Distillates (petroleum), hydrotreated heavy paraffinic | 64742-54-7 | 99.0 – 99.9 |
| 2,6-di-tert-butylphenol                                | 128-39-2   | <0.5        |

In general, the product does not contain components that may be a significant health and safety hazard as long as normal precautions in handling petroleum products are observed and good standards of industrial and personal hygiene are maintained.

**SECTION 4: FIRST AID MEASURES**

|                     |   |
|---------------------|---|
| <b>Eye Contact</b>  | Immediately flush eyes with large amount of water for at least 15 minutes or until irritation subsides. If irritation persists, get prompt medical attention.   |
| <b>Skin Contact</b> | Immediately flush with large amount of water; use soap if available. Remove contaminated clothing, including shoes, and launder before reuse.   |
| <b>Inhalation</b>   | This product has low vapor pressure and is not expected to present an inhalation problem at ambient temperature. However, if overexposed to oil mist, using proper respiratory protection, immediately remove the affected person immediately to fresh air. Administer artificial respiration if breathing is stopped. Keep at rest. Call for prompt medical attention. |
| <b>Ingestion</b>    | If swallowed, DO NOT induce vomiting. If individual is conscious, give milk or water to dilute stomach contents. Keep warm and quiet. Get immediate medical attention. DO NOT attempt to give anything by mouth to an unconscious person.   |

---

**SECTION 5: FIRE-FIGHTING MEASURES**

---

|   |   |
|---|---|
| <b>Flash Point, COC, °C</b>                         | 240   |
| <b>Extinguishing Media</b>                          | In case of fire use foam, carbon dioxide or dry chemical extinguishers.   |
| <b>Special Fire-fighting Procedures</b>             | Water jets should not be used directly on igniting products. Avoid spraying water directly into storage containers due to danger of over-boil. However, water may be used to cool exposed containers, structures and equipment adjacent to fire. Respiratory and eye protection required for fire-fighting personnel. |
| <b>Decomposition Products Under Fire Conditions</b> | Fumes, smoke, oxides of sulfur, nitrogen, carbon and other toxic gases may be formed.   |

---

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

---

|                    |   |
|--------------------|---|
| <b>Land Spill</b>  | Taking normal safety precaution, eliminate sources of ignition. Prevent additional discharge of material, if possible to do so without hazard. For small spills, implement cleanup procedures. For large spills, implement clean-up procedures and, if in public area, keep public away and advise authorities. Prevent liquid from entering sewers, water courses, or low areas. Contain spilled liquid with sand or earth. Recover by pumping or with a suitable absorbent. If liquid is too viscous for pumping, scrape up. Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations. |
| <b>Water Spill</b> | Use booms to confine spills immediately. Remove from water surface by skimming or with suitable adsorbents. If allowed by local authorities and environmental agencies, sinking and/or suitable dispersants may be used in non-confined waters. Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.  |

---

**SECTION 7: HANDLING AND STORAGE**

---

|                            |  |
|----------------------------|--|
| <b>Handling Procedures</b> | Keep away from potential sources of ignition. Open container in a well-ventilated area. Avoid breathing vapors. Keep containers closed when not in use. Wash thoroughly after handling. "Empty" containers with retained product residue (liquid or vapor) can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat, flame, sparks, static electricity or other sources of ignition; they may explode and cause death or injury. Empty drums should be completely drained, properly bunged and promptly returned to a drum re-conditioner, or properly disposed off. |
|----------------------------|--|



**Storage Procedures**

Do not store near potential sources of ignition. Store in a well-ventilated area. Odorous and toxic fumes may form from the decomposition of this product if stored at temperatures in excess of 60°C for extended periods of time or if heat sources in excess of 70°C are used.

---

**SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION**


---

**Exposure Controls**

The following are the exposure limits for the major components of this product (when mists/aerosol may occur).

| Component  | CAS-No.    | Source | Value         |
|--|------------|--------|---------------|
| Distillates (petroleum), hydrotreated heavy paraffinic | 64742-54-7 | ACGIH  | Not available |

**Personal Protection**

|                         |   |
|-------------------------|---|
| Ventilation Procedures  | The use of local exhaust ventilation is recommended to control mists or vapors. Additional ventilation or exhaust may be required to maintain air concentrations below exposure limits.   |
| Gloves Protection       | Use chemical resistant gloves.  |
| Eye Protection          | Where contact may occur, wear safety glasses with side shields.   |
| Respiratory Protection  | Use NIOSH/OSHA approved full-face respirator with a combination organic vapor and high efficiency filter cartridge if the recommended exposure limit is exceeded. Use self-contained breathing apparatus for entry into confined space, for other poorly ventilated areas and for large spill clean-up sites. |
| Clothing Recommendation | Wear either a chemical protective suit or apron when potential for contact with material exists. Use neoprene or nitrile rubber boots when necessary to avoid contaminating shoes. Do not wear rings, watches or similar apparel that could entrap the material and cause a skin reaction.                    |

---

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**


---

|                                   |                                      |
|-----------------------------------|--------------------------------------|
| Appearance                        | Clear                                |
| Odor                              | Characteristic of petroleum products |
| Kinematic Viscosity at 40°C, cSt  | 68.00                                |
| Kinematic Viscosity at 100°C, cSt | 8.890                                |
| Density at 15°C, kg/L             | 0.8790                               |
| Flash Point, °C                   | 240                                  |
| pH                                | No data                              |
| Boiling Point, °C                 | No data                              |
| Melting Point, °C                 | No data                              |
| Vapor Pressure, kPa               | No data                              |
| Vapor Density                     | No data                              |
| Solubility in Water               | No data                              |
| Evaporation Rate                  | No data                              |
| Flammability                      | Not flammable                        |
| Partition Coefficient             | No data                              |



|                              |         |
|------------------------------|---------|
| Auto-ignition Temperature, C | No data |
| Decomposition Temperature, C | No data |
| Explosion limits             | No data |

---

**SECTION 10: STABILITY AND REACTIVITY**

---

|                        |   |
|------------------------|---|
| <b>Stability</b>       | This product is stable under recommended storage and handling conditions. |
| <b>Incompatibility</b> | Not available   |
| <b>Polymerization</b>  | Not Applicable  |

---

**SECTION 11: TOXICOLOGICAL INFORMATION**

---

**Basis for Assessment:** Information given is based on data on the components and the toxicology of similar products.

**Acute Toxicity**

|   |                       |                        |
|---|-----------------------|------------------------|
| Distillates (Petroleum)<br>Hydrotreated heavy<br>paraffinic | Oral, LD50            | >5000 mg/kg (Rat)      |
|   | Dermal, LD50          | >5000 mg/kg (Rat)      |
|   | Inhalation, Mist LC50 | 2.18 mg/L 4hr (Rat)    |
| 2,6-di-tert-butylphenol                                     | Oral, LD50            | >5000 mg/kg (Rat)      |
|   | Dermal, LD50          | >10,000 mg/kg (Rabbit) |
|   | Inhalation, Mist LC50 | None                   |

**Acute Inhalation Toxicity** Not classified to be an inhalation hazard under normal conditions of use.

**Skin Corrosion/Irritation** No available information

**Serious Eye Damage/Irritation** No available information

**Respiratory/Skin Sensitization** No available information

**Germ Cell Mutagenicity** No available information

**Aspiration Hazard** Minimal toxicity

**Carcinogenicity** EU classification of carcinogenicity of petroleum distillates used does not apply since product does not contain DMSO extract beyond 3% according to INCHEM.

**Reproductive Toxicity** No available information

---

**SECTION 12: ECOLOGICAL INFORMATION**

---

Ecotoxicological data have not been determined specifically for this product. Information given is based on a knowledge of the components and the ecotoxicology of similar products.

**Acute Toxicity**

|   |  |                            |
|---|--|----------------------------|
| Distillates (petroleum) hydrotreated heavy paraffinic | Fish (LC <sub>50</sub> /96-hours)        | >5000 mg/L (Oncorhynchus)  |
|   | Crustaceans (EC <sub>50</sub> /48-hours) | 1,000 mg/L (Daphnia magna) |
|   | Algae (EC <sub>50</sub> /96-hours)       | >1000 mg/L (Scenedesmus)   |

**Environmental Mobility** Oil component of this product floats and can migrate from water to land.



**Environmental Degradability** Data have not been determined specifically for this product, but it is not expected that it will be "readily" biodegradable.

**Ecotoxicity & Bioaccumulation** Data have not been determined specifically for this product, but it is not expected to be harmful to aquatic organisms.

---

**SECTION 13: DISPOSAL CONSIDERATIONS**

---

**Waste Disposal** Material, if discarded, is expected to be hazardous waste due to toxicity. Waste management should be in compliance with local and national regulations.

**Local Legislation** Disposal should be in accordance with applicable regional, national and local laws and regulations.

---

**SECTION 14: TRANSPORT INFORMATION**

---

**Air** (ICAO/IATA). This product is not regulated for air transport.

**Land** This product is not regulated for road/rail transport.

**Sea** IMDG (Packaged Goods and BLCs). This product is not regulated for sea transport

---

**SECTION 15: REGULATORY INFORMATION**

---

Material is non-hazardous chemical under Occupational Safety and Health (Classification, Labeling and Safety Data Sheet of Hazardous Chemicals) Regulations 2013.

The Chemical Substances present in this product are listed under Philippine Inventory of Chemicals and Chemical Substance (PICCS).

---

**SECTION 16: OTHER INFORMATION**

---

**Approvals** Research and Development Department  
Petron Corporation

This safety data sheet contains the following revisions **8**

This is a computer-generated form and does not require a signature.

---

The information and recommendations contained herein are based on the data sheet and sources believed to be accurate and correct and Petron makes no expressed or implied warranty with respect to the accuracy of the information or the suitability of the recommendations contained in the SDS. It is your responsibility to contact Petron to ensure that this document is the most current available from Petron. The information and recommendations are offered for the user's consideration and examination. It is the user's responsibility to satisfy itself that the product is suitable for the intended use and to ensure the safe handling and use of the product. If the user repackages this product, it is the user's responsibility to ensure proper health, safety and other necessary information is included with and/or on the container. Appropriate warnings and safe-handling procedures should be provided to handlers and users. Alteration of this document is strictly prohibited. Petron accepts no responsibility and hereby disclaim all liability for any harmful effects which may be caused by purchase, resale, use, exposure or disposal of the product. Users must comply with all local laws and regulations. Except to the extent required by law, re-publication or retransmission of this document, in whole or in part, is not permitted. The term, "Petron" is used for convenience, and may include any one or more of Petron Corporation, Petron Oil & Gas International Sdn Bhd or any affiliates in which they directly or indirectly hold any interest. In no event, shall Petron or its suppliers be liable for any direct or indirect loss of profits or for any other special, indirect or consequential damages, nor shall the liability of Petron on any claim for damages arising out of or connected with the sale, delivery or use of the product purchased exceed the purchase price of the product.

