

**Material Safety Data Sheet**

**1. MATERIAL AND COMPANY IDENTIFICATION**

**Material Name** : Shell Donax TD 10W-30  
**Uses** : Transmission oil.

**Manufacturer/Supplier** : SOPUS Products  
 700 Milam  
 Houston TX 77002-2806  
 USA

**MSDS Request** :

**Emergency Telephone Number**  
**Spill Information** : 877-242-7400  
**Health Information** : 877-504-9351

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**2. COMPOSITION/INFORMATION ON INGREDIENTS**

| Chemical Identity                                      | CAS No.    | Concentration   |
|--|------------|-----------------|
| Distillates (petroleum), hydrotreated light naphthenic | 64742-53-6 | 1.00 - < 5.00 % |
| Distillates (petroleum), hydrotreated light naphthenic | 64742-53-6 | 1.00 - 5.00 %   |

Highly refined mineral oils and additives.  
 The highly refined mineral oil contains <3% (w/w) DMSO-extract, according to IP346.

**3. HAZARDS IDENTIFICATION**

| Emergency Overview           |  |
|------------------------------|--|
| <b>Appearance and Odour</b>  | : Amber. Liquid at room temperature. Slight hydrocarbon. |
| <b>Health Hazards</b>        | : Not classified as dangerous for supply or conveyance.  |
| <b>Safety Hazards</b>        | : Not classified as flammable but will burn.             |
| <b>Environmental Hazards</b> | : Not classified as dangerous for the environment.       |

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

**Health Hazards Inhalation** : Under normal conditions of use, this is not expected to be a primary route of exposure.

**Skin Contact** : Prolonged or repeated skin contact without proper cleaning can clog the pores of the skin resulting in disorders such as oil acne/folliculitis.

**Eye Contact** : May cause slight irritation to eyes.

**Ingestion** : Low toxicity if swallowed.

**Other Information** : Used oil may contain harmful impurities.

**Signs and Symptoms** : Oil acne/folliculitis signs and symptoms may include formation of black pustules and spots on the skin of exposed areas. Ingestion may result in nausea, vomiting and/or diarrhoea.

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- Clean Up Methods** : or entering drains, ditches or rivers by using sand, earth, or other appropriate barriers.  
: Slippery when spilt. Avoid accidents, clean up immediately. Prevent from spreading by making a barrier with sand, earth or other containment material. Reclaim liquid directly or in an absorbent. Soak up residue with an absorbent such as clay, sand or other suitable material and dispose of properly.
- Additional Advice** : Local authorities should be advised if significant spillages cannot be contained.

**7. HANDLING AND STORAGE**

- General Precautions** : Use local exhaust ventilation if there is risk of inhalation of vapours, mists or aerosols. Properly dispose of any contaminated rags or cleaning materials in order to prevent fires. Use the information in this data sheet as input to a risk assessment of local circumstances to help determine appropriate controls for safe handling, storage and disposal of this material.
- Handling** : Avoid prolonged or repeated contact with skin. Avoid inhaling vapour and/or mists. When handling product in drums, safety footwear should be worn and proper handling equipment should be used.
- Storage** : Keep container tightly closed and in a cool, well-ventilated place. Use properly labelled and closeable containers. Storage Temperature: 0 - 50 °C / 32 - 122 °F
- Recommended Materials** : For containers or container linings, use mild steel or high density polyethylene.
- Unsuitable Materials** : PVC.
- Additional Information** : Polyethylene containers should not be exposed to high temperatures because of possible risk of distortion.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Occupational Exposure Limits**

| Material  | Source | Type        | ppm | mg/m3    | Notation |
|---|--------|-------------|-----|----------|----------|
| Distillates (petroleum) hydrotreated light naphthenic | ACGIH  | TWA(Mist.)  |     | 5 mg/m3  |          |
| Distillates (petroleum) hydrotreated light naphthenic | ACGIH  | STEL(Mist.) |     | 10 mg/m3 |          |

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|  |  |
|--|--|
| <b>Eye Protection</b>                  | : Wear safety glasses or full face shield if splashes are likely to occur.   |
| <b>Protective Clothing</b>             | : Skin protection not ordinarily required beyond standard issue work clothes.  |
| <b>Monitoring Methods</b>              | : Monitoring of the concentration of substances in the breathing zone of workers or in the general workplace may be required to confirm compliance with an OEL and adequacy of exposure controls. For some substances biological monitoring may also be appropriate. |
| <b>Environmental Exposure Controls</b> | : Minimise release to the environment. An environmental assessment must be made to ensure compliance with local environmental legislation.   |

**9. PHYSICAL AND CHEMICAL PROPERTIES**

|   |   |
|---|---|
| Appearance                                      | : Amber. Liquid at room temperature.                |
| Odour   | : Slight hydrocarbon.                               |
| pH  | : Not applicable.                                   |
| Initial Boiling Point and Boiling Range         | : > 280 °C / 536 °F estimated value(s)              |
| Pour point                                      | : Typical -42 °C / -44 °F                           |
| Flash point                                     | : Typical 220 °C / 428 °F (COC)                     |
| Upper / lower Flammability or Explosion limits  | : Typical 1 - 10 %(V) (based on mineral oil)        |
| Auto-ignition temperature                       | : > 320 °C / 608 °F                                 |
| Vapour pressure                                 | : < 0.5 Pa at 20 °C / 68 °F (estimated value(s))    |
| Density   | : Typical 884 kg/m <sup>3</sup> at 15 °C / 59 °F    |
| Bulk density                                    | : Data not available                                |
| Water solubility                                | : Negligible.                                       |
| n-octanol/water partition coefficient (log Pow) | : > 6 (based on information on similar products)    |
| Kinematic viscosity                             | : Typical 70.4 mm <sup>2</sup> /s at 40 °C / 104 °F |
| Vapour density (air=1)                          | : > 1 (estimated value(s))                          |
| Evaporation rate (nBuAc=1)                      | : Data not available                                |

**10. STABILITY AND REACTIVITY**

|   |  |
|---|--|
| <b>Stability</b>                        | : Stable.  |
| <b>Conditions to Avoid</b>              | : Extremes of temperature and direct sunlight.                                     |
| <b>Materials to Avoid</b>               | : Strong oxidising agents.   |
| <b>Hazardous Decomposition Products</b> | : Hazardous decomposition products are not expected to form during normal storage. |

**11. TOXICOLOGICAL INFORMATION**

|                             |  |
|-----------------------------|--|
| <b>Basis for Assessment</b> | : Information given is based on data on the components and the toxicology of similar products. |
| <b>Acute Oral Toxicity</b>  | : Expected to be of low toxicity: LD50 > 5000 mg/kg , Rat                                      |

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**13. DISPOSAL CONSIDERATIONS**

- Material Disposal** : Recover or recycle if possible. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste classification and disposal methods in compliance with applicable regulations. Do not dispose into the environment, in drains or in water courses.
- Container Disposal** : Dispose in accordance with prevailing regulations, preferably to a recognised collector or contractor. The competence of the collector or contractor should be established beforehand.
- Local Legislation** : Disposal should be in accordance with applicable regional, national, and local laws and regulations.

**14. TRANSPORT INFORMATION**

**US Department of Transportation Classification (49CFR)**

This material is not subject to DOT regulations under 49 CFR Parts 171-180.

**IMDG**

This material is not classified as dangerous under IMDG regulations.

**IATA (Country variations may apply)**

This material is not classified as dangerous under IATA regulations.

**15. REGULATORY INFORMATION**

The regulatory information is not intended to be comprehensive. Other regulations may apply to this material.

**Federal Regulatory Status**

**Notification Status**

- EINECS All components listed or polymer exempt.
- TSCA All components listed.
- DSL All components listed.

Shell classifies this material as an "oil" under the CERCLA Petroleum Exclusion, therefore releases to the environment are not reportable under CERCLA.

**SARA Hazard Categories (311/312)**

No SARA 311/312 Hazards.