

# Material Safety Data Sheet

## Section 1 - Chemical Product and Company Identification

**Product Name :** TOER II C50B  
**Chemical Name:** Hydrotreated Middle Distillate  
**Chemical Family :** Petroleum Distillate.  
**Chemical Formula :** Not Applicable.  
**CAS Number :** 64742-46-7  
**Other Designations:** Contains Oil  
**Company Contact :** TENOIT CO., LTD.  
 Room 4, 5FL., No. 109, Sec. 6, Mingquan East Road, Taipei, Taiwan  
**EMERGENCY TELEPHONE NUMBER :** TEL (886) 2 8792-2185 8792-2187  
 FAX (886) 2 8792-2151

## Section 2 - Composition And Information On Ingredients

A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C11 through C25 and produces finished oil with a viscosity near 7 cSt @40 °C(46cSt @0°C).

Ingredient Name	CAS No.	% Vol
Hydrotreated Middle Distillate	64742-46-7	>99.6%
Butylated Hydroxytoluene(BHT) or 2,6-Di-tert-butyl-p-cresol(DBPC)	128-37-0	< 0.4%

### Trace Impurities:

Ingredient	OSHA PEL		ACGIH TLV		NIOSH REL		NIOSH
	TWA	STEL	TWA	STEL	TWA	STEL	IDLH
Hydrotreated Middle Distillate	5mg/m <sup>3</sup> (oil mist)	None estab	5 mg/m <sup>3</sup> (oil mist)	10 mg/m <sup>3</sup> (oil mist)	None estab	None estab	None estab

## Section 3 - Hazardous Identification

### Potential Health Effects

**Primary Entry Route :** Skin

**Inhalation :** Inhalation of vapors or mist may be irritating to respiratory passages. Prolonged exposure may result in dizziness and nausea. Target Organ for mineral oil mist is lungs.

**Eye :** Eye contact may result in slight irritation and redness.

**Skin :** Short term contact with skin is unlikely to cause any problems ; excessive or prolonged and repeated contact and poor hygiene conditions may result in dryness, dermatitis, erythema, oil acne, cracking and defatting of the skin.

**Ingestion :** May result in nausea or stomach discomfort.

**Carcinogenicity :** Based on OSHA 1910.1200 and IARC study requirements, this product does not require labeling. NTP and OSHA do not list this product as a potential carcinogen.

### Medical Conditions Aggravated by Long-Term Exposure:

Personnel with pre-existing skin disorders should avoid contact with this product.

## Section 4 - First Aid Measures

**Eye Contact:** Wash with water. If irritation or redness persists seek medical help.

**Skin Contact :** Wash thoroughly with soap and water. Remove contaminated clothing. Reuse only after cleaning.

**Inhalation :** Remove to fresh air. Assist breathing if necessary. Seek medical help.

**Aspiration:** If there is any suspicion of aspiration into the lungs obtain medical advise.

**Ingestion :** If swallowed, observe for signs of stomach discomfort or nausea. If symptoms persist, seek medical help. Do not induce vomiting.

## Section 5 - Fire Fighting Measures

**Flash Point:** >295°F(>145°C)

**Flash Point Method:** COC

## Material Safety Data Sheet

**Burning Rate:** Not available  
**Autoignition Temperature:** >600°F(>315°C)  
**Lower Explosive Level (LEL):** Not determined  
**Upper Explosive Limit (UEL):** Not determined  
**Flammability Classification:** OSHA Class III-B Combustible Liquid  
**Extinguishing Media :** Halon, dry chemical, foam, CO<sub>2</sub> and water mist or fog. Water may be used to cool below flash point.  
**Unusual Fire or Explosion Hazards:** Do not use forced stream as this could cause fire to spread.  
**Combustion Products:** Fumes, smoke and carbon monoxide.  
**Fire-Fighting instructions and Equipment:** Use water to cool containers exposed to flames. Do not enter enclosed or a confined workspace without proper protective equipment. Fire fighting personnel should wear respiratory protection (positive pressure if available).

### Section 6 - Accidental release Measures

**Spill/Leak Procedures:** Stop spill at source if possible without risk. Contain spill. Eliminate sources of ignition. Spill area will be slick. Recover all possible material for reclamation. Use non-flammable absorbent material to pick up remainder of spill.  
**Spill to Navigable Waters:** If this material is spilled into navigable waters and creates a visible sheen, it is reportable to the National Response Center.

### Section 7 - Handling and Storage

**Handling and Storage Precautions:**  
Keep away from flames, sparks or hot surfaces. Never use a torch to cut or weld on or near container. Empty oil containers can contain explosive vapors. Wash thoroughly after handling.  
**Work/Hygienic Practices :** Wash hands with soap and water before eating, drinking, Smoking or use of toilet facilities. Do not use gasoline, solvents, kerosene, or harsh abrasive skin cleaners for washing exposed skin areas. Take a shower after work if general contact occurs. Remove oil-soaked clothing and launder before reuse. Discard contaminated shoes and leather gloves.  
**Shelf Life:** Product should be stored in clean, dry containers at ambient temperatures and it should remain stable with excetion of slight color stability loss unless it is contaminated.

### Section 8 - Exposure Controls/Personal Protection

**Engineering Controls:** Adequate ventilation is required where excessive heating or agitation may occur to maintain concentration below exposure limits.  
**Eye/Face Protection:** Safety glasses or face shield where splashing is possible.  
**Skin Protection:** As needed to prevent repeated skin contact. Solvent resistant gloves should be used if needed.  
**Respiratory Protection:** Not Normally Needed. Respirator should be used in areas where vapor concentrations are excessive due to high temperatures or where oil misting occurs.

### Section 9 - Physical and Chemical Properties

<b>Physical State :</b> Liquid	<b>Water Solubility :</b> Nil
<b>Appearance :</b> Clear & bright	<b>Boiling Point :</b> 500-700°F(260-370°C)
<b>Color :</b> Water white to pale	<b>Melting Point:</b> -65°F(-55°C)
<b>Odor :</b> Mild petroleum odor	<b>Pour Point:</b> -46°C
<b>Odor Threshold :</b> Not determined	<b>% Volatile:</b> Nil LVP-VOC
<b>Vapor Pressure :</b> Not applicable	<b>Evaporation Rate:</b> Not available
<b>Vapor Density(Air=1):</b> >5	<b>PH :</b> Not applicable
<b>Specific Gravity(H<sub>2</sub>O=1):</b> 0.88	

### Section 10 - Stability and Reactivity

**Stability :** Stable  
**Polymerization :** Polymerization will not occur.  
**Chemical Incompatibilities:** Strong Oxidizers  
**Condition to Avoid(Stability) :** Sources of ignition.

## Material Safety Data Sheet

<b>Hazardous Decomposition Products :</b> Combustion products include carbon dioxide and carbon monoxide.		
<b>Section 11 - Toxicological Information</b>		
<b>Acute Studies:</b> Tests on similar materials show a low order of acute oral and dermal toxicity. <b>Eye Effects:</b> Minimal irritation on contact. <b>Skin Effects:</b> Practically non-toxic if absorbed. May cause mild irritation with prolonged and repeated exposure. <b>Acute Oral Effects:</b> Tests on similar materials indicate low order of acute oral toxicity. <b>Acute Inhalation Effects:</b> Low acute toxicity expected on inhalation.		
<b>Section 12 - Ecological Information</b>		
<b>Aquatic Release :</b> Advise authorities if product has entered or may enter watercourses or sewer drains.		
<b>Section 13 - Disposal Considerations</b>		
Follow Federal, State, and Local regulations. Not a RCRA hazardous waste if uncontaminated. If "used" , RCRA criteria must be determined. Do not flush to drain/storm sewer. Contract to authorized disposal service. If permitted incineration may be practical. Consider recycling.		
<b>Section 14 - Transport Information</b>		
<b>Proper Shipping Name</b>	Not regulated by DOT(Contains oil)	
Hazard Class	Not applicable	
DOT ID No.	Not Applicable	
DOT Shipping Label	Not regulated by DOT	
<b>Section 15 - Regulatory Information</b>		
<b>U. S. Federal Regulatory Information:</b>		
CERCLA/SARA		
302/303/304 Categories	Extremely Hazardous Substances	None
311/312 Categories	Immediate (Acute) Health Effects	No
	Delayed (Chronic)Health Effects	No
	Fire Hazard	No
	Sudden Release of Pressure Hazard	No
	Reactivity Hazard	No
313 Categories	Toxic Chemicals (40 CFR 372)	None
Clean Water Act  (40 CFR 116;401.15)	If spilled into navigable waters it is reportable to National Response Center,800-424-8802 Reportable Quantity=Oil Sheen present on navigable water surface	
OSHA(29 CFR 1910)	This product is not hazardous under Hazard Communication Standard 29 CFR 1910.1200	
RCRA (40 CFR 261.33)	This product does not meet hazardous waste criteria.	
EPA/TSCA Inventory: The components of this product are listed on the EPA/TSCA inventory of chemicals. CAS No. 64742-46-7		
<b>Foreign Inventories:</b>		
The components of this product are listed under the following foreign inventories:		
European Union's EINICS	Listed	
Korea's ECL	Listed	
Australia's AICS	Listed	
Canada's DSL	Listed	
Philippines' PICCS	Listed	
<b>Section 16-Other Information</b>		
NFPA Hazard Rating - Health	1 Slight	

## *Material Safety Data Sheet*

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|--------------|----------|
| - Fire       | 1 Slight |
| - Reactivity | 0 Least  |

**Disclaimer :**

The information contained herein is based upon data believed to be reliable and reflects our best professional judgment. It is the responsibility of the user to determine the suitability of the material for their purpose. No warranty is expressed or implied, is given.