

# Material Safety Data Sheet

## Section 1 - Chemical Product and Company Identification

**Product Name :** TRANSFORMER OIL TOAP 1020BSX

**Chemical Family :** Petroleum Distillate.

**Chemical Formula :** Not Applicable

**CAS Number :** 64742-53-6

**Company Details :** 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 Hazardous Ingredients

Ingredient	CAS Number	Percentage	Hazardous
Severely Hydrotreated Naphthenic Petroleum Oil.	64742-53-6	99.6 to 99.92	No
Inhibitor	128-37-0	0.08 to 0.4	No

## 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, oil acne, cracking and defatting of the skin. Personnel with pre-existing skin disorders should avoid contact with this product.

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

## Section 4 - First Aid Measures

**Eye Contact :** Flush eyes immediately with plenty of water 15 minutes or until irritation. If redness persists, seek medical help.

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

**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 advice.

**Ingestion :** If swallowed, observe for signs of stomach discomfort or nausea. If symptoms persist, seek medical help. Do induce vomiting.

## Section 5 - Fire Fighting Measures

**Flash Point :** >140°C , **Flash Point Method :** COC

**Auto ignition Temperature :** >315°C

**Lower Explosive Level(LEL):**Not determined.

**Upper Explosive Limit(UEL) :** Not determined.

**Flammability Classification :** OSHA CLASS III-B Combustible Liquid.

**Extinguishing Media :** Dry Chemical Powder, Foam, CO<sub>2</sub> and water 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 Instruction and Equipment :** Use waste to cool containers exposed to flames.

Do not enter enclosed or a confined work space without proper protective equipment.

Fire fighting personnel should wear respiratory protection (positive pressure if available).

## *Material Safety Data Sheet*

<b>Section 6 - Accidental release Measures</b>	
<p><b>Spill/Leak Procedures :</b> 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.</p> <p><b>Spill to navigable Waters :</b> If this material is spilled into navigable waters and creates a visible sheen, it is reportable to Local Response Centre.</p>	
<b>Section 7 - Handling and Storage</b>	
<p><b>Handling and storage Precautions :</b> 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. NFPA Class IIIB storage. Wash thoroughly after handling.</p> <p><b>Work/Hygienic Practices :</b> Wash hands with soap and water before eating, drinking, smoking or use of toilet facilities. Take shower after work if general contact occurs. Remove oil-soaked and launder before reuse. Discard contaminated shoes and leather gloves.</p>	
<b>Section 8 - Exposure Controls/Personal Protection</b>	
<p><b>Engineering Controls :</b> Adequate ventilation is required where excessive heating or agitation may occur to maintain concentration below exposures limits.</p> <p><b>Eye/Face Protection :</b> Safety glasses or face shield where splashing is possible.</p> <p><b>Skin Protection :</b> Avoid prolonged and or repeated skin contact. If prolonged contact can not be avoided, wear protective gloves (solvent resistant gloves) and clothing.</p> <p><b>Respiratory Protection :</b> Normally not required. Respirator should be used in areas where vapor concentration is excessive due to high temperatures or where oil misting occurs.</p>	
<b>Section 9 - Physical and Chemical Properties</b>	
<p><b>Appearance :</b> Clear, pale straw to yellow, Heavy liquid</p> <p><b>Odor :</b> Mild petroleum odor.</p> <p><b>Specific Gravity :</b> 0.81 to 0.89 (Water = 1)</p> <p><b>% Volatiles by volume @21°C(70°F) :</b> Nil</p> <p><b>Melting Point :</b> Not applicable</p>	<p><b>Vapor Pressure( mm Hg) :</b> 0.0059 mm Hg at 100°F</p> <p><b>Evaporation Rate :</b> Not applicable</p> <p><b>Solubility(H<sub>2</sub>O) :</b> Negligible</p> <p><b>PH :</b> Not applicable</p> <p><b>Boiling Point :</b> &gt; 271°C</p> <p><b>Vapor Density(Air=1) :</b> &gt; 5</p>
<b>Section 10 - Stability and reactivity</b>	
<p><b>Stability :</b> Stable under ordinary conditions of use and storage.</p> <p><b>Polymerization :</b> Polymerization will not occur.</p> <p><b>Chemical Incompatibilities :</b> Strong oxidizers.</p> <p><b>Condition to Avoid :</b> Source of ignition.</p> <p><b>Hazardous Decomposition Products :</b> Combustion may produce carbon monoxide and carbon dioxide.</p>	
<b>Section 11 - Toxicological Information</b>	
<p><b>Eyes Effects :</b> Minimal irritation on contact.</p> <p><b>Skin Effects :</b> Practically non-toxic if absorbed. May cause mild irritation with prolonged and repeated exposure.</p> <p><b>Acute Oral Effects :</b> Tests on similar material indicate low order of acute oral toxicity.</p> <p><b>Acute Inhalation Effects :</b> Low acute toxicity expected on inhalation.</p>	
<b>Section 12 - Ecological Information</b>	
<p><b>Environmental Fate :</b> No information found.</p> <p><b>Environmental Toxicity:</b> No information found.</p>	

