

Material Safety Data Sheet

Section 1 - Chemical Product and Company Identification

Product Name : TRANSFORMER OIL TOAP 20 BS

Chemical Family : Petroleum Distillate.

Chemical Formula : Not Applicable

CAS Number : 64742-55-8

Company Details : TENOIT CO., LTD.

Room 4, 5FL., No. 109, Sec. 6, Mingquan East Road, Taipei, Taiwan

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Section 2 - Composition And Information On Hazardous Ingredients

Ingredient	CAS Number	Percentage	Hazardous
Severely Hydrotreated Light Paraffinic Petroleum Oil.	64742-55-8	100	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 not 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, CO₂ 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).

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Section 6 - Accidental release Measures	
<p>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.</p> <p>Spill to navigable Waters: If this material is spilled into navigable waters and creates a visible sheen, it is reportable to Local Response Centre.</p>	
Section 7 - Handling and Storage	
<p>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. NFPA Class IIIB storage. Wash thoroughly after handling.</p> <p>Work/Hygienic Practices : 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>	
Section 8 - Exposure Controls/Personal Protection	
<p>Engineering Controls : Adequate ventilation is required where excessive heating or agitation may occur to maintain concentration below exposures limits.</p> <p>Eye/Face Protection : Safety glasses or face shield where splashing is possible.</p> <p>Skin Protection : Avoid prolonged and or repeated skin contact. If prolonged contact cannot be avoided, wear protective gloves (solvent resistant gloves) and clothing.</p> <p>Respiratory Protection : Normally not required. Respirator should be used in areas where vapor concentration is excessive due to high temperatures or where oil misting occurs.</p>	
Section 9 - Physical and Chemical Properties	
<p>Appearance : Clear, pale straw to yellow, Heavy liquid</p> <p>Odor : Mild petroleum odor.</p> <p>Specific Gravity : 0.81 to 0.89 (Water = 1)</p> <p>% Volatiles by volume @21°C (70°F) : Nil</p> <p>Melting Point : Not applicable</p>	<p>Vapor Pressure(mm Hg) : 0.0059 mm Hg at 100°F</p> <p>Evaporation Rate : Not applicable.</p> <p>Solubility(H₂O) : Negligible.</p> <p>PH : Not applicable.</p> <p>Boiling Point : > 271°C</p> <p>Vapor Density(Air=1) : > 5</p>
Section 10 - Stability and reactivity	
<p>Stability : Stable under ordinary conditions of use and storage.</p> <p>Polymerization : Polymerization will not occur.</p> <p>Chemical Incompatibilities : Strong oxidizers.</p> <p>Condition to Avoid : Source of ignition.</p> <p>Hazardous Decomposition Products : Combustion may produce carbon monoxide and carbon dioxide.</p>	
Section 11 - Toxicological Information	
<p>Eye Effects : Minimal irritation on contact.</p> <p>Skin Effects : Practically non-toxic if absorbed. May cause mild irritation with prolonged and repeated exposure.</p> <p>Acute Oral Effects : Tests on similar material indicate low order of acute oral toxicity.</p> <p>Acute Inhalation Effects : Low acute toxicity expected on inhalation.</p>	
Section 12 - Ecological Information	

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Environmental Fate : No information found. Environmental Toxicity: No information found.	
Section 13 - Disposal Considerations	
Follow National, 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. If permitted incineration may be practical. Consider recycling.	
Section 14 - Transport Information	
DOT Shipping Label : Not regulated by DOT	
Section 15 - Regulatory Information	
CERCLA/SARA : 302/303/304 categories : Extremely hazardous substances : None 311/312 categories : Immediate(acute) Health Effects : No Delayed(chronic) health effects : No Fire Hazards : No 313 categories : Toxic Chemicals(40 CFR 372) : None Clean Air act : Hazardous Air Pollutants(HAPS) : None Ozone depleting Compounds(ODC) : None OSHA(29CFR 1910) : This product is not hazardous under Hazard Communication Standard 29 CFR 1910.1200 EPA/TSCA Inventory: The components of this product are listed on the EPA/TSCA inventory of chemicals CAS No: 64742-55-8 Foreign Inventories : The components of this product are listed under the following inventories : 1. CANADA DSL No.: 64742-55-8 2. European Union's EINECS No. 265 - 158 - 7 3. Korea's ECL No. KE - 12552 4. Australia's ACS No. 64742 - 55 -8 5. Philippine's PICCS - on list	
Section 16 - Other Information	
Hazard Rating 0 = Least 1 = Slight 2 = Moderate 3 = High 4 = Extreme	NFPA/HMIS Classification Health = 1 Fire = 1 Reactivity = 0

Disclaimer:

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