Product Name : BOER L750 Chemical Name: severely Hydrotreated Heavy Naphthenic Distillate Chemical Formula : Not Applicable. CAS Number : 64742-52-5 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 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 C20 through C50 and produces finished oil with a viscosity near 775 SUS @100°F(145 cst@40°C). Ingredient CAS Number Severely Hydrotreated Heavy 64742-52-5 Naphthenic Petroleum 0il. 64742-52-5 Ingredient OSHA PEL Maydrotreated 5 mg/m ³ None 6 mg/m ³ None 5 mg/m ³				<u> </u>						
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Primary Entry Route: Skin Inhalation : Inhalation of vapors or mist may be irritating to respiratory passages. Target Organ for mineral oil mist is lungs. Prolonged exposure may result in dizziness and nausea. 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. Meets EU requirement of less than 3%(w/w)DMSO extract for total polycyclic aromatic compound(PAC) using IP 346. NTP and OSHA do not list this product as a potential carcinogen. Mutagenicty : This product gives negative mutagenic results from Modified Ames Assay. 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 advice. Ingestion : If swallowed, observe for signs of stomach discomfort or nausea. If symptoms persist, seek medical help. Do not induce vomiting.										
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Section 5 - Fire Fighting Measures	persist,	seek medica	l help.	Do not	induce	e vomiting.				
		Section {	5 – Fi	ire Fi	ghtin	g Measures				

	int Method:COC					
Burning Rate: Not available						
Autoignition Temperature : > $600^{\circ} F(> 315^{\circ} C)$						
Lower Explosive Level(LEL):Not determined.						
Upper Explosive Limit(UEL) : Not determined.						
Flammability Classification : OSHA CLASS III-B Combustible Liquid.						
	pam, CO ₂ and water mist or fog. Water may be used					
to cool below flash p						
Unusual Fire or Explosion Hazards: Do not use forced stream as this could cause fire to						
spread.						
Combustion Products : Fumes, Smoke, and Can						
	se water to cool containers exposed to flames.					
	pace without proper protective equipment. Fire					
	protection (positive pressure if available).					
	ental release Measures					
-	rce if possible without risk. Contain spill.					
	rea will be slick. Recover all possible material					
	sorbent material to pick up remainder of spill.					
	l is spilled into navigable waters and creates					
a visible sheen, it is reportable to	the National Response Center.					
Section 7 - Ha	ndling 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. NFPA Class IIIB storage. Was						
	oap and water before eating, drinking, smoking					
	e gasoline, solvents, kerosene, or harsh abrasive					
	kin areas. Take a shower after work if general					
contact occurs. Remove oil-soaked clothing and launder before reuse. Discard						
contaminated shoes and leather glove						
	ean, dry containers at ambient temperatures and					
	on of slight color stability loss unless it is					
contaminated.	1 /D 1 /D 1 D 1 / 1 / 1					
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						
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Section 9 - Physical and Chemical Properties						
Physical State: Liquid	Vapor Density(Air=1): > 5 Specific Cravity(HO=1): 0.02					
Appearance:Clear & bright Color:Amber	Specific Gravity(H ₂ O=1): 0.92					
	Water Solubility(H₂O): Nil Boiling Point: 500-1100°F (260-595°C)					
Odor: Mild petroleum odor Odor Threshold: Not determined	Boiling Point : $500-1100 \text{ F}(200-595 \text{ C})$ Melting Point : $-4^{\circ}\text{F}(-16^{\circ}\text{C})$					
	% Volatile: Ni1(LVP-VOC)					
Vapor Pressure : Not applicable	PH : Not applicable					
Evaporation Rate : Not available PH : Not applicable Section 10 - Stability and Reactivity						
Stability : Stable Polymerization : Polymerization will not occur.						
-						
Chemical Incompatibilities : Strong oxidizers.						

Condition to Avoid(Stability): Sources of ignition.					
Hazardous Decomposition Products: Combustion products include carbon dioxide and carbon					
monoxide.					
Section 11 - Toxicological Information					
Acute Toxicity: Tests on similar materials show a low order of acute oral and dermal toxicity. Acute Oral Effects: Tests on similar materials indicate low order of acute oral toxicity. Acute Inhalation Effects: Low acute toxicity expected on inhalation. Eyes Irritation: Minimal irritation on contact. Eye Irritation slight or practically					
non-irritating based on similar products. Skin Effects : Practically non-toxic if absorbed. Other similar highly refined products have not shown skin tumors in mouse, skin painting studies.					
Skin Irritation: May cause mild irritation with prolonged and repeated exposure.					
Skin Sensitization: Is indicated as non-sensitizing based on data from similar products.					
Carcinogenicity:					
Skin: Not considered a potential carcinogen based on IP346 DMSO of less than 3.0 wt%.					
Genotoxicity: This product is considered non-mutagenic and has negative potential					
for tumor development based on results from Modified Ames Assay,					
with Mutagenic Index of less than 1.0.					
This product is severely hydrotreated at greater than 800 psi, and does not require a cancer warning under OSHA Hazard Communication Standard(29 CFR 1910.1200). Similar products have not been listed in NTP reports, and are classified by IARC as having inadequate evidence					
of carcinogenicity. IARC indicates that based on preponderance of data highly refined					
mineral oils are not mutagenic either in vitro or in vivo. Severely hydrotreated naphthenic					
petroleum oils have not been found to be carcinogenic or potential carcinogens.					
Section 12 - Ecological Information					
Aquatic Release : Advise authorities if product has entered or may enter watercourses or					
sewer drains.					
Ecotoxicity : Available data indicate this product is not acutely toxic. 96 hr. acute static					
toxicity for Pimephales promelas(Fathead Minnow)LC ₅₀ mortality is					
greater than 30,000 mg/L. Other similar products have shown 48 hr EL_{50}					
for Daphnia magna greater than 1000 mg/L, and 96 hr $1rL_{50}$ for Scenedesmus					
subspicatus (Alga) greater than 1000 mg/L.					
Biodegradability : This product reaches less than 10% biodegradation in standard					
28-day test and is not readily biodegradable in the environment.					
Section 13 - Disposal Considerations					
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.					
Section 14 - Transport Information					
Proper Shipping Name: Not regulated by DOT (Contains 0il)					
Hazard Class: Not Applicable DOT ID No. : Not Applicable					
DOT Shipping Label : Not regulated by DOT					
Section 15 - Regulatory Information					
<u>U.S. Federal Regulatory Information</u> : CERCLA/SARA:					
302/303/304 categories (40 CFR 355 Appendix A): Extremely hazardous substances : No					
311/312 categories : Immediate(Acute) Health Effects : No					
(40 CFR 370) Delayed(Chronic) health effects : No					
Fire Hazards : No					

Sudden Release of Pressure Hazard : No						
Reactivity Hazard : No						
313 categories : Toxic Chemicals(40 CFR 372) : None						
Clean Air act : Hazardous Air Pollutants(HAPS) : None						
Ozone depleting Compounds(ODC) : None						
Clean Water Act : If spilled into navigable waters it is reportable to National Response Center, 800-424-8802						
 (40 CFR 116;401.15) Reportable Quantity= 0il sheen present on navigable water surface. OSHA(29CFR 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: 64742-52-5						
State Regulations:						
California Prop 65: No Proposition 65 chemicals exist in this product, no labeling required.						
Florida: No listed ingredients are present.						
Massachusetts RTK: No listed ingredients are present.						
Minnesota RTK: No listed ingredients are present.						
New Jersey RTK: Lists petroleum oil, but this product does not contain hazardous ingredients.						
Pennsylvania RTK: Lists petroleum oil, but this product does not contain hazardous						
ingredients greater than 3%.						
Illinois DOL TSL: No listed ingredients are present.						
Other Regulation:						
WHMIS(Canada): Not listed on the Canadian Controlled Product Ingredient Disclosure and is						
compliant with Controlled Products Regulation.						
CONEG Metals : Since cadmium , chromium , lead and mercury are not detectable and it does not exceed 100 ppm total in this product , it is compliant with CONEG Metals						
regulation.						
EEC(Europe) : This product is not known to be a dangerous good internationally.						
No known R-Phrases or S-Phrases						
Hazard Label None						
Danger Symbol None						
Foreign Inventories : The components of this product are listed under the following inventories :						
1. European Union's EINICS No. 265 -155 -0						
2. Korea's ECL No. KE – 12543						
3. Australia's AICS No.64742-52-5						
4. CANADA's DSL No.:64742-52-5 5. Philippings' PLCCS on List						
5. Philippines' PICCS- on List						
Section 16 - Other Information						
Hazard Rating NFPA/HMIS Classification						
0 = Least 1 = Slight 2 = Moderate Health = 1 Slight						
3 = High 4 = Extreme 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.