Section 1 - Che	mical Pr	oduct	and Comp	any Iden	tifica	tion			
Product Name : RPER L200									
Chemical Name: severely Hydrotreated Heavy Naphthenic Distillate									
Chemical Family : Petroleum 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 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		gh C50 ai	nd produces	s a finishe	ed oil w	ith a vi	scosity		
near 200 SUS @100°F(40 cSt@40°C).IngredientCAS NumberPercentageHazardous									
Ingredient		umber	Perc	Percentage		Hazardous			
Severely Hydrotreated Heavy Naphthenic Petroleum Oil.	64742	-52-5	100.0			No			
Trace Impurities:									
	OSHA I	PEL	ACGIH	I TLV	NIOS	H REL	NIOSH		
Ingredient	TWA	STEL	TWA	STEL	TWA	STEL	IDLH		
Severely Hydrotreated Heavy	5 mg/m^3	None	5 mg/m ³	10 mg/m^3	None	None	None		
Naphthenic Petroleum Oil	(oil mist)	estab	(oil mist)	(oil mist)	estab	estab	estab		
Sectior	ι3 − Ha	azardoi	us Identi	fication	l				
Potential Health Effects									
Primary Entry Route : Skin									
Inhalation : Inhalation of vapo	rsormist	may be i	rritating	to respirat	ory pas	sage. Pr	olonged		
exposure may result in diz	ziness and	nausea.	Target Org	gan for min	eral oi	l mist is	s lungs.		
Eye: Eye contact may result in slight irritation and redness.									
Skin: Short term contact with s									
and repeated contact and					n drynes	ss, derm	atitis,		
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 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 : $\geq 340^{\circ} F(171^{\circ}C)$, Flash Point Method : COC									
Burning Rate : Not available									
<u> </u>									

Autoignition Temperature : > $600^{\circ}F(> 315)$	°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 ₂ 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 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).						
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 ab	sorbent material to pick up remainder of spill.					
	al 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	y 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.						
	soap and water before eating, drinking, smoking					
	se 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 gloves.						
	ean, dry containers at ambient temperatures and					
_	on of slight color stability loss unless it is					
contaminated.						
	ontrols/Personal Protection					
	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 is excessive due to high temperatures or where oil misting occurs.						
Section 9 - Physical and Chemical Properties						
Physical State: Liquid	Vapor Density(Air=1): > 5					
Appearance : Clear & bright	Specific Gravity($H_2O=1$): 0.91					
Color: light amber to golden	Water Solubility(H20): Nil					
Odor: Mild petroleum odor Odor Threshold: Not determined	Boiling Point: $500-1100^{\circ}F(260-595^{\circ}C)$					
Vapor Pressure : Not applicable	Melting Point: -20°F(-29°C)					
Evaporation Rate : Not available	% Volatile : Nil(LVP-VOC) PH : Not applicable					
Section 10 - Stability and Reactivity						
Stability: Stable Polymerization: Polymerization will not occur						
Polymerization : Polymerization will not occur. Chemical Incompatibilities : Strong oxidizers.						
Condition to Avoid(Stability) : Sources of ignition.						
Hazardous Decomposition Products : Combustion products include carbon monoxide and carbon dioxide.						
Material and Decomposition inolates · compusition products include carbon monoxide and carbon dioxide.						

Section 11 - Toxicological Information					
<u>Acute Toxicity</u> : Tests on similar materials show a low order of acute oral and dermal toxicity.					
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.					
Acute Oral Effects: Tests on similar materials indicate low order of acute oral toxicity.					
Acute Inhalation Effects: Low acute toxicity expected on inhalation.					
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)LC50 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 \cdot 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.S. Federal Regulatory Information :					
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) : No					

Clean Air act : Hazardous Air Pollutants(HAPS) : No					
Ozone depleting Compounds(ODC) : No					
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					
EPA/TSCA Inventory: The components of this product are listed on the EPA/TSCA inventory of chemicals CAS No: 64742-52-5					
RCRA(40 CFR 261.33): This product does not meet hazardous waste criteria.					
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. 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.