Section 1 - Che	mical Pr	oduct	and Compa	any Ident	tifica	tion		
Product Name: RPER L500								
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	o. 109, Sec.	6, Mingqu	uan East Ro	oad, Taipei	i, Taiwa	an		
EMERGENCY TELEPHONE NUMBER : '	TEL (886)	2 8792-2	2185 8'	792-2187				
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	C20 throug	gh C50 ar	nd produces	s a finishe	d oil wi	th a vi	scosity	
near 500 SUS @100°F(100 cSt@4	40℃).		r		1			
Ingredient	CAS N	CAS Number		Percentage		Hazardous		
Severely Hydrotreated Heav	y 64742	64742-52-5		100 0		No		
Naphthenic Petroleum Oil.	01112	02 0	10			no		
Trace Impurities:								
	OSHA I	PEL	ACGIH	I TLV	NIOSH	I 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 011		estab			estab	estab	estab	
Section	n 3 - Ha	azardoi	is Identi	fication				
Potential Health Effects								
Primary Entry Route : Skin								
Inhalation : Inhalation of vapors or mist may be irritating to respiratory passage. 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.								
varchiogenicity • Based on USHA 1910. 1200 and IAKU study requirements, this product does not								
require labeling, meets EU requirement of less than 3%(W/W)DMSU extract for total								
porycyclic alomatic compound(FAC) using ir 540. Nir and USHA do not fist this product								
as a potential carcinogen. Nutagenicty: This product gives pogetive mutagenic results from Medified Ames Asses								
Medical Conditions Aggravated by Long-Term Evrosure, Personnel with pre-evicting skin								
disorders should avoid contact with this product								
Section 4 - First Aid Measures								
Eve Contact . Wash with water If irritation or redness parsists seek medical halp								
Skin Contact: Wash thoroughly	with soap a	and wate	r. Remove c	ontaminate	d cloth	ing. Reu	se only	
after cleaning.								
Inhalation : Remove to fresh air Assist breathing if necessary Seek medical beln								
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 : $\geq 360^{\circ}F(182^{\circ}C)$,Flash Point Method : COC								
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 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).	und of the second se					
Section 6 - Accide	ental release measures					
Spill/Leak Procedures: Stop spill at sour	Spill/Leak Procedures: Stop spill at source if possible without risk. Contain spill.					
Eliminate sources of ignition. Spill an	rea will be slick. Recover all possible material					
for reclamation. Use non-flammable ab	sorbent material to pick up remainder of spill.					
Spill to navigable waters : If this materia	It is spilled into navigable waters and creates					
a visible sneen, it is reportable to	the National Response Center.					
Section 7 - Ha	ndling and Storage					
Handling and storage Precautions : Keep away	trom flames, sparks or hot surfaces. Never use					
a torch to cut or weld on or near contain	iner. Empty oil containers can contain explosive					
vapors. NFPA Class IIIB storage. Was	sh thoroughly after handling.					
Work/Hygienic Practices: Wash hands with s	oap and water before eating, drinking, smoking					
or use of toilet facilities. Do not us	e gasoline, solvents, kerosene, or harsh abrasive					
skin cleaners for washing exposed s	kin areas. lake a shower after work if general					
contact occurs. Remove oil-soaked clothing and launder before reuse. Discard						
contaminated shoes and leather gloves.						
it should remain stable with executi	on of clight color stability loss unloss it is					
contaminated	on of stight color stability loss unless it is					
Section 8 - Exposure (ntrols/Personal Protection					
Engineering Controls: Adequate ventilation	is required where excessive heating or agitation					
may occur to maintain	a concentration below exposure limits					
Fye/Face Protection : Safety glasses or fac	re shield where splashing is possible					
Skin Protection : As needed to prevent repeat	ed skin contact. Solvent resistant gloves should					
be used if needed	ed skin contact. Sorvent resistant groves should					
Respiratory Protection : Not Normally Needed	l. Respirator should be used in areas where vapor					
concentrations is excessive due t	o 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(H20=1): 0.92					
Color: Amber	Water Solubility(H2O): Nil					
Odor : Mild petroleum odor	Boiling Point: 500-1100°F(260-595°C)					
Odor Threshold : Not determined	Melting Point: -5°F(-21°C)					
Vapor Pressure : Not applicable	% Volatile : Ni1(LVP-VOC)					
Evaporation Rate : Not available	PH : Not applicable					
Section 10 - Stat	pility and Reactivity					
Stability: Stable	,					
Polymerization : Polymerization will not or	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.						

Section 11 - Toxicological Information				
Acute Terrisite: Tests on similar metericle shares law order of south and learned terrisite.				
<u>Acute loxicity</u> . Lests on similar materials snow a low order of acute oral and dermal toxicity.				
Eyes Irritation • Minimal Infitation on contact. Eye infitation slight of practically				
non-irritating based on similar products.				
Skin Lifects · Practically non-toxic if absorbed. Other similar highly relined products have				
Acute Orel Effects : Tests on similar meterials indicate low order of south orel toxisity				
Acute Unal Effects : lests on similar materials indicate low order of acute oral toxicity.				
Ship Instation: New source mild instation with prolonged and repeated every				
Skill initiation · May cause mild initiation with profologed and repeated exposure.				
Skill Sensitization · is indicated as non-sensitizing based on data from similar products.				
<u>Carcinogenicity</u> .				
Constantial Calculated a potential calculated based on 11340 pmso of ress than 5.0 wt/0.				
for turner development based on regults from Medified Area Association				
ior tumor development based on results from modified Ames Assay				
with Mutagenic Index of less than 1.0.				
Inis product is severely hydrotreated at greater than 800 psi, and does not require a cancer				
warning under USHA Hazard communication Standard(29 UFK 1910, 1200). Similar products have				
not been fisted in NIP reports , and are classified by IAKU as having inadequate evidence				
of carcinogenicity. Take indicates that based on preponderance of data nightly relined				
milleral offis are not mutagenic efficient in vitro or in vivo. Severely hydrotreated naphthenic				
petroreum orrs have not been round to be carcinogenic or potential carcinogens.				
Section 12 - Ecological Information				
Aquatic kelease · 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 higherradable in the environment				
Soction 12 Dianogal Considerations				
Section 13 - Disposal considerations				
Follow Federal, State and Local regulations. Not a KUKA nazardous waste if uncontaminated.				
11 used , Koka criteria must be determined. Do not flush to drain/storm sewer. contract				
to authorized disposal service. If permitted inclueration may be practical, consider				
Section 14 Transport Information				
Section 14 - Iransport Information				
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					
(40 CFP 116:401 15) Performance $(16, 100, 100, 100, 100, 100, 100, 100, 1$					
(40 CFR 110;401.15) Reportable Quantity= 011 sneen present on navigable water surface.					
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.					
<pre>CONEG Metals : Since cadmium , chromium , lead and mercury are not detectable and it does not</pre>					
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.