Section 1 - Chemical Product and Company Identification								
				1 0				
	eated Hea	avy Nap	htheni	c Distillate				
Chemical Family : Petroleum Distillate.								
Chemical Formula: Not Applicable.								
CAS Number: $64742-52-5$								
OIT CO., LT	D.							
		.6,Ming	gquan E	ast Road, Tai	ipei, Ta	iwan		
<b>EMERGENCY TELEPHONE NUMBER :</b> TEL (886) 2 8792–2185 8792–2187								
-			-					
		h C50 a	nd pro	luces finishe	d oll wi	th a vis	scosity	
100 cSt@40(		nhor	Dorgontago		Hozordovo			
od Hoavy	CAS NU	прет	1	ercentage	liazai uous		19	
	64742-5	52-5		100.0	No			
ace Impurities:		1			NLOOM DRI		NLOCH	
			ACGII			1	NIOSH	
TWA	STEL	TWA		STEL	TWA	STEL	IDLH	
$5 \text{ mg/m}^3$	None	5 mg/	m <sup>3</sup>	$10 \text{ mg/m}^3$	None	None	None	
(oil mist)	estab	(oil	mist)	(oil mist)	estab	estab	estab	
Section 3 - Hazardous Identification								
Potential Health Effects								
neral oil m	ist is lu	ings. Pi	rolonge	ed exposure ma	ay resul	t in diz	ziness	
		•						
Skin: Short term contact with skin is unlikely to cause any problems; excessive or prolonged								
					n arynes	ss, derma	ititis,	
<b>Ingestion</b> : May result in nausea or stomach discomfort.								
as a potential carcinogen.								
<b>Eye Contact:</b> Wash with water. If irritation or redness persists seek medical help.								
<b>Skin Contact</b> : 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								
				e vomiting.		5		
	L500 ely Hydrotry roleum Dist t Applicable -5 OIT CO., LT om 4, 5FL., No NUMBER : TEL FAX 2 - Compo n of hydroca ence of a ca range of C2 100 cSt@40°C ed Heavy um Oil. CoSHA H TWA 5 mg/m <sup>3</sup> (oil mist) Section 3 ects : Skin on of vapors neral oil mist result in si act with ski ontact and po cne, crackin t in nausea ed on OSHA 19 mg. Meets EU natic compou carcinogen oduct gives ggravated b Id avoid con Sectio th water. I oroughly wit cleaning. o fresh air is any susp	L500 ely Hydrotreated Hearoleum Distillate. t Applicable. -5 OIT CO., LTD. om 4, 5FL., No. 109, Sec NUMBER : TEL (886) 2 FAX (886) 2 2 - Composition n of hydrocarbons of ence of a catalyst. I range of C20 throug 100 cSt@40°C). CAS Nume ed Heavy ded Heavy ded Heavy for a catalyst. I range of C20 throug 100 cSt@40°C). CAS Nume ed Heavy ded Heavy for a catalyst. I range of C20 throug 100 cSt@40°C). CAS Nume ed Heavy ded Heavy for a catalyst. I range of C20 throug 100 cSt@40°C). CAS Nume ed Heavy for a catalyst. I range of C20 throug 100 cSt@40°C). CAS Nume ed Heavy for a catalyst. I range of C20 throug 100 cSt@40°C). CAS Nume estab Section 3 - Haz ects Skin on of vapors or mist neral oil mist is lut result in slight in act with skin is unlift ontact and poor hygic can cracking and det t in nausea or stoma ed on OSHA 1910. 1200 ng. Meets EU requirent natic compound (PAC) for carcinogen. oduct gives negative ggravated by Long-T Id avoid contact with soroughly with soap and cleaning. o fresh air. Assist is any suspicion of	L500 ely Hydrotreated Heavy Nap roleum Distillate. t Applicable. -5 OIT CO., LTD. om 4, 5FL., No. 109, Sec. 6, Ming NUMBER : TEL (886) 2 8792-2 FAX (886) 2 8792-2 FAX (886) 2 8792-2 2 - Composition And I n of hydrocarbons obtained ence of a catalyst. It consi range of C20 through C50 a 100 cSt@40°C). CAS Number ed Heavy 64742-52-5 UM 0i1. CSHA PEL TWA 5 mg/m <sup>3</sup> None 5 mg/m (oil mist) estab (oil m Section 3 - Hazardou ects : Skin on of vapors or mist may be neral oil mist is lungs. Pr result in slight irritati act with skin is unlikely to ontact and poor hygiene cond cne, cracking and defattin t in nausea or stomach dis ed on OSHA 1910. 1200 and IAR ng. Meets EU requirement of natic compound(PAC) using II carcinogen. oduct gives negative mutag uggravated by Long-Term Ex Id avoid contact with this Section 4 - First th water. If irritation or ioroughly with soap and water cleaning. o fresh air. Assist breath is any suspicion of aspira	L500         ely Hydrotreated Heavy Naphthenia         roleum Distillate.         t Applicable.         -5         OIT CO., LTD.         om 4, 5FL., No. 109, Sec. 6, Mingquan E         NUMBER : TEL (886) 2 8792-2151         2 - Composition And Inform         n of hydrocarbons obtained by tracence of a catalyst. It consists of range of C20 through C50 and procention C50 and procentic50 and procention C50 and procention C50 and procention C50 and pr	L500         else of the second state of the second state of the second state second state of the second state of the second state of the second state of the second state second state of the second state seco	L500         ely Hydrotreated Heavy Naphthenic Distillate         roleum Distillate.         t Applicable.         -5         OIT CO., LTD.         m 4, 5FL., No. 109, Sec. 6, Mingquan East Road, Taipei, Ta         NUMBER : TEL (886) 2 8792-2185         FAX (886) 2 8792-2185         arge of a catalyst. It consists of hydrocarbons having         range of C20 through C50 and produces finished oil wi         100 cSt@40°C).         CAS Number       Percentage         ed Heavy       64742-52-5         100.0         Um 0il.       CAS Number         Percentage         ed Heavy       64742-52-5         100.0         Um 0il.       STEL         TWA       STEL         S mg/m <sup>3</sup> None         (oil mist)       estab         (oil mist)       estab         Stin       on of vapors or mist may be irritating to respiratory pa         neral oil mist is lungs. Prolonged exposure may resul         result in slight irritation and redness.         act with skin is unlikely to cause any problems : excessi         on of Vapors or mist may be irritating to respiratory pa         need on OSHA 1910. 1200 and IARC study requirements, this p         ng	ely Hydrotreated Heavy Naphthenic Distillate roleum Distillate. t Applicable. -5 OIT CO., LTD. m 4, 5FL., No. 109, Sec. 6, Mingquan East Road, Taipei, Taiwan NUMBER: TEL (886) 2 8792–2185 8792–2187 FAX (886) 2 8792–2187 <b>2 - Composition And Information On Ingredients</b> n of hydrocarbons obtained by treating a petroleum fraction ence of a catalyst. It consists of hydrocarbons having carbon r range of C20 through C50 and produces finished oil with a vis 100 cSt@40°C). <b>CAS Number</b> Percentage Hazardou ed Heavy um 0i1. 64742–52–5 100.0 No OSHA PEL ACGIH TLV NIOSH REL TWA STEL TWA STEL TWA STEL 5 mg/m <sup>3</sup> None 5 mg/m <sup>3</sup> 10 mg/m <sup>3</sup> None None (oil mist) estab (oil mist) (oil mist) estab <b>Section 3 - Hazardous Identification</b> ects Skin on of vapors or mist may be irritating to respiratory passages. neral oil mist is lungs. Prolonged exposure may result in diz result in slight irritation and redness. act with skin is unlikely to cause any problems : excessive or pro- ontact and poor hygiene conditions may result in dryness, derma cne, cracking and defatting of the skin. t in nausea or stomach discomfort. ed on OSHA 1910.1200 and IARC study requirements, this product do ng. Meets EU requirement of less than 3%(w/wDMSO extract for matic compound(PAC) using IP 346. NTP and OSHA do not list this pr- carcinogen. oduct gives negative mutagenic results from Modified Ames As ggravated by Long-Term Exposure: Personnel with pre-existin 1d avoid contact with this product. Section 4 - First Aid Measures th water. If irritation or redness persists seek medical hel ioroughly with soap and water. Remove contaminated clothing. Reu- cleaning. o fresh air. Assist breathing if necessary. Seek medical hel is any suspicion of aspiration into the lungs obtain medical ze	

Section 5 - Fir	e Fighting Measures				
<b>Flash Point</b> : $\geq 360^{\circ} F(182^{\circ} C)$ , <b>Flash Point Method</b> : 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.					
<b>Extinguishing Media</b> : Halon, dry chemical, foam, CO <sub>2</sub> 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 water 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 - Accide	ental release Measures				
	rce if possible without risk. Contain spill.				
-	rea will be slick. Recover all possible material				
for reclamation. Use non-flammable absorbent material to pick up remainder of spill.					
	<b>Spill to navigable Waters:</b> If this material is spilled into navigable waters and creates				
a visible sheen, it is reportable to					
Section 7 - Ha	ndling and Storage				
	from flames, sparks or hot surfaces. Never use				
	iner. Empty oil containers can contain explosive				
vapors. NFPA Class IIIB storage. Wash thoroughly after handling.					
Work/Hygienic Practices: Wash hands with soap and water before eating, drinking, smoking					
or use of toilet facilities. Do not use gasoline, solvents, kerosene, or harsh abrasive					
skin cleaners for washing exposed skin areas. Take a shower after work if general					
contact occurs. Remove oil-soaked clothing and launder before reuse. Discard					
contaminated shoes and leather gloves.					
Shelf Life: Product should be stored in clean, dry containers at ambient temperatures and					
it should remain stable with exception of slight color stability loss unless it is					
contaminated.					
Section 8 - Exposure Controls/Personal Protection					
<b>Engineering Controls</b> : Adequate ventilation is required where excessive heating or agitation					
may occur to maintain concentration below exposure limits.					
<b>Eye/Face Protection</b> : Safety glasses or face shield where splashing is possible.					
<b>Skin Protection</b> : As needed to prevent repeated skin contact. Solvent resistant gloves should					
be used if needed.					
<b>Respiratory Protection :</b> Not Normally Needed. Respirator should be used in areas where vapor					
concentrations are 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 <sub>2</sub> O=1): 0.92				
Color: Amber	Water Solubility(H <sub>2</sub> O): Nil				
<b>Odor</b> : Mild petroleum odor	<b>Boiling Point</b> : 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 - 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<sub>50</sub> mortality is greater than 30,000 mg/L. Other similar products have shown 48 hr EL<sub>50</sub> for Daphnia magna greater than 1000 mg/L  $\cdot$  and 96 hr 1rL<sub>50</sub> 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 0i1) 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

Eine Haronda	· No					
Fire Hazards	: No					
	e of Pressure Hazard : No					
Reactivity Haz						
-	s(40 CFR 372) : None					
	Pollutants(HAPS) : None					
	g Compounds(ODC) : None					
Clean Water Act : If spilled into Center, 800-424	navigable waters it is reportable to National Response -8802					
	tity= 0il sheen present on navigable water surface.					
OSHA(29CFR 1910) : This product is not hazardous under Hazard Communication Standard 29 CFR 1910.1200						
	loes not meet hazardous waste criteria.					
<b>EPA/TSCA Inventory:</b> 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.						
<b>New Jersey RTK</b> :Lists petroleum oil, but this product does not contain hazardous ingredients.						
<b>Pennsylvania RTK:</b> 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						
	olled Products Regulation.					
<b>CONEG Metals</b> : 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.						
<b>EEC(Europe)</b> : This product is not known to be a dangerous good internationally.						
No known R-Phrases or S-Phrases						
Hazard Label None						
Danger Symbol None						
<b>Foreign Inventories</b> : The components of this product are listed under the following inventories :						
<ol> <li>European Union's EINICS No. 265 -155 -0</li> <li>Korea's ECL No. KE - 12543</li> </ol>						
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	e Health = 1 Slight					
3 = High $4 = Extreme$	Fire = 1 Slight					
	Reactivity = 0 Least					
<u> </u>						

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.