

Page 1 of 7

POC-5004 Prepared to OSHA, ACC, ANSI, WHSR, WHMIS, GHS & EU Standards SDS Revision Date: 12/14/2019 SDS Revision: 1.1 1. PRODUCT & COMPANY IDENTIFICATION 1.1 Product Name: PETRA HIGH PERF LUBE & MANUAL TRANSMISSION SUPPLEMENT 1.2 Chemical Name: Petroleum Distillates 1.3 Synonyms 5004 1.4 Trade Names Petra High Performance Lube & Manual Transmission Supplement 1.5 Product Use: Transmission Oil Treatment 1.6 Distributor's Name: Petra Oil NZ 50 Jacobs Lane, Ngaruawahia 3792, New Zealand 1.7 Distributor's Address: 1.8 Emergency Phone: NZ NATIONAL POISONS CENTRE (0800) 764 766 Business Phone / Fax: Tel: +64 (21) 771 703 1.9 HAZARDS IDENTIFICATION Hazard Identification: 2.1 This product is classified as a HAZARDOUS SUBSTANCE but not as DANGEROUS GOODS according to the classification criteria of WHSR and ADG Code (Australia). WARNING! MAY BE HARMFUL IF SWALLOWED AND ENTERS AIRWAYS. Classification: Asp. Tox. 2 2.2 Label Elements: Hazard Statements (H): H305 - May be harmful if swallowed and enters airways. Precautionary Statements (P): P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P331 - Do NOT induce vomiting. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P405 - Store locked up. P501 - Dispose of contents/container to licensed treatment, storage, recycling or disposal facility. 2.3 Other Warnings: In the event of an exposure or medical inquiry involving this product, please contact a physician or local poison control center, who may seek advice from the U.S. manufacturer, and show them this SDS. If medical advice is needed, have product container or label at hand. KEEP OUT OF REACH OF CHILDREN. **COMPOSITION & INGREDIENT INFORMATION** EXPOSURE LIMITS IN AIR (mg/m³) ACGIH NOHSC **OSHA** ppm ppm ppm FS-ES-FS-RTECS No. TLV STEL PEL STEL IDLH OTHER CHEMICAL NAME(S) **EINECS No** PEAK CAS No. TWA STEL DISTILLATES (PETROLEUM), 64742-65-0 PY8038501 ≤ 60 265-169-7 NF 100 NA NA NA NF NF NA SOLVENT-DEWAXED HEAVY Carc. 1B: H350 PARAFFINIC ' 64742-54-7 PY8035501 DISTILLATES (PETROLEUM), 265-157-1 ≤ 30 NA NA NF NF NF NA NA NA HYDROTREATED HEAVY Carc. 1B: H350: HSNO: HSR002605 PARAFFINIC ' DISTILLATES (PETROLEUM), NA NA NF NF NF NA NA 64742-52-5 NA 265-155-0 ≤ 10 HYDROTREATED HEAVY Carc. 1B; H350 **NAPHTHENIC** * < 3% DIMETHYL SULFOXIDE (DMSO) per IP346 4. FIRST AID MEASURES DO NOT INDUCE VOMITING. Contact Poison Control Center or local emergency telephone number for 4.1 First Aid: Ingestion: assistance and instructions. If you feel unwell, seek medical advice (show the label where possible). If vomiting occurs spontaneously, keep victim's head lowered (forward) to reduce the risk of aspiration. If product gets in the eyes, flush eyes thoroughly with copious amounts of water for at least 15 minutes, Eyes: holding eyelid(s) open to ensure complete flushing. If the eyes or face become swollen during or following use, consult a physician or emergency room immediately. Remove contaminated clothing and wash affected areas with soap and water. If discomfort persists Skin: and/or the skin reaction worsens, contact a physician immediately. Do not wear contaminated clothing until after it has been properly cleaned.

Remove victim to fresh air at once. Under extreme conditions, if breathing stops, perform artificial Inhalation: respiration. Seek immediate medical attention. 4.2 Effects of Exposure: Ingestion: Irritation to the gastrointestinal tract. This material can enter the lungs during swallowing or vomiting and cause lung damage. Irritation upon direct contact. Symptoms may include stinging, tearing, redness and swelling. Eves: Mildly irritating. Prolonged or repeated skin contact can result in defatting, drying of the skin with Skin: symptoms of redness, stinging. Inhalation: Inhalation may cause irritation to the respiratory tract (nose, throat and lungs). May be fatal if swallowed and enters airways. 4.3 Symptoms of Overexposure: Ingestion: Nausea, intestinal discomfort, vomiting and/or diarrhea. Overexposure in eyes may cause redness, itching and watering. Eyes: Skin: Symptoms of skin overexposure may include redness, itching, and irritation of affected areas. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) in some individuals.



Page 2 of 7 POC-5004

Prepared to OSHA, ACC, ANSI, WHSR, WHMIS, GHS & EU Standards SDS Revision: 1.1 SDS Revision Date: 12/14/2019

		4. FIRST AID MEASURES – c	cont'd	
4.4	Acute Health Effects:	Moderate irritation to eyes and skin near affected areas. drowsiness, dizziness, headaches and nausea.	Additionally, high concentrations of vapors	can caus
4.5	Chronic Health Effects:	None reported by the manufacturer.		
4.6	Target Organs:	Eyes, Skin		
4.7	Medical Conditions Aggravated	Pre-existing skin, eye, or respiratory disorders.	HEALTH	1
	by Exposure:		FLAMMABILITY	1
			PHYSICAL HAZARDS	0
			PROTECTIVE EQUIPMENT	В
			EYES SKIN	
		5. FIREFIGHTING MEASUR	RES	
5.1	Fire & Explosion Hazards:	WARNING! Keep away from heat, hot surface, sparks, open		
		No smoking. If involved in a fire, this product may decompose gases (e.g., CO, CO _x , hydrocarbons). Vapors of this product to a source of ignition and flash back to a leaking or open conti	e at high temperatures to form toxic are heavier than air and may travel	
5.2	Extinguishing Methods:	For small fires, use dry chemical, carbon dioxide, water sp water spray to cool fire-exposed containers. Water may be in spray, fog or alcohol-resistant foam. Do NOT use straight stream	oray or alcohol-resistant foam. Use neffective. For large fires, use water	1
5.3	Firefighting Procedures:	As with any fire, firefighters should wear appropriate MSHA/NIOSH approved or equivalent self-contained breathin clothing. Treat as hot oil. Hazardous decomposition pro degradation may produce oxides of carbon, and/or nitrogen, his should be fought from a safe distance. Keep containers cool water spray to cool fire-exposed surfaces and to protect per runoff from fire control or dilution from entering sewers, dranatural waterway.	ng apparatus (SCBA) and protective oducts may be released. Thermal hydrocarbons and/or derivatives. Fire all until well after the fire is out. Use rsonal. Fight fire upwind. Prevent	0
		6. ACCIDENTAL RELEASE MEA	ASIIDES	
6.1	Spills:	Before cleaning any spill or leak, individuals involved in sp		l Protecti
		Equipment.		
		For small spills (e.g., < 1 gallon (3.8 L)) wear appropriate Maximize ventilation (open doors and windows) and secure absorbent material and place into appropriate closed containe local, state and federal regulations. Wash all affected areas soap. Remove any contaminated clothing and wash thoroughly	e all sources of ignition. Remove spilled mer(s) for disposal. Dispose of properly in accost and outside of container with plenty of warm	aterial w rdance w
		Maximize ventilation (open doors and windows) and secure absorbent material and place into appropriate closed containe local, state and federal regulations. Wash all affected areas	e all sources of ignition. Remove spilled mer(s) for disposal. Dispose of properly in accost and outside of container with plenty of warmly before reuse. Improtected individuals. Dike and contain spifor recovery and cleanup. Transfer liquid to containers for proper disposal. Remove containers for proper disposal.	rdance we water a water a water a water a montainers ontaminat
		Maximize ventilation (open doors and windows) and secure absorbent material and place into appropriate closed containe local, state and federal regulations. Wash all affected areas soap. Remove any contaminated clothing and wash thoroughl For <u>large spills</u> (e.g., ≥ 1 gallon (3.8 L)), deny entry to all u material (e.g., sand or earth). Use ONLY non-sparking tools for recovery or disposal and solid diking material to separate clothing promptly and wash affected skin areas with soap and sewers and open bodies of water.	e all sources of ignition. Remove spilled mer(s) for disposal. Dispose of properly in accost and outside of container with plenty of warmly before reuse. Unprotected individuals. Dike and contain spiror recovery and cleanup. Transfer liquid to containers for proper disposal. Remove containers for proper disposal. Remove containers.	rdance we water a water a water a month incommendation in the containers of the cont
7.1	Work & Hygiene Practices:	Maximize ventilation (open doors and windows) and secure absorbent material and place into appropriate closed containe local, state and federal regulations. Wash all affected areas soap. Remove any contaminated clothing and wash thoroughl For <u>large spills</u> (e.g., ≥ 1 gallon (3.8 L)), deny entry to all u material (e.g., sand or earth). Use ONLY non-sparking tools for recovery or disposal and solid diking material to separate clothing promptly and wash affected skin areas with soap and	e all sources of ignition. Remove spilled mer(s) for disposal. Dispose of properly in accost and outside of container with plenty of warmly before reuse. Improtected individuals. Dike and contain spiror recovery and cleanup. Transfer liquid to containers for proper disposal. Remove containers for proper disposal. Remove containers. Keep spills and cleaning runoffs out of the RMATION Vapors of this product. Use in a well-ventilation.	raterial wardance wan water a
7.1	Work & Hygiene Practices: Storage & Handling:	Maximize ventilation (open doors and windows) and secure absorbent material and place into appropriate closed contained local, state and federal regulations. Wash all affected areas soap. Remove any contaminated clothing and wash thorough For large spills (e.g., ≥ 1 gallon (3.8 L)), deny entry to all u material (e.g., sand or earth). Use ONLY non-sparking tools for recovery or disposal and solid diking material to separate clothing promptly and wash affected skin areas with soap and sewers and open bodies of water. 7. HANDLING & STORAGE INFO Avoid prolonged contact with the product. Avoid breathing to (e.g., local exhaust ventilation, fans). After use, wash hands a	e all sources of ignition. Remove spilled mer(s) for disposal. Dispose of properly in accost and outside of container with plenty of warmally before reuse. Improtected individuals. Dike and contain spiror recovery and cleanup. Transfer liquid to containers for proper disposal. Remove containers for proper disposal. Remove containers. Keep spills and cleaning runoffs out of the containers of this product. Use in a well-ventilation and exposed skin with soap and water. Do not be. Open containers slowly on a stable surfamay contain residual amounts of this producters in a cool, dry location, away from direct surfamily surfamily contain residual amounts of this producters in a cool, dry location, away from direct surfamily surfamily contain residual amounts of this producters in a cool, dry location, away from direct surfamily surfamily contain residual amounts of this producters in a cool, dry location, away from direct surfamily surfamily contain residual amounts of this producters in a cool, dry location, away from direct surfamily surfamily contain residual amounts of this producters in a cool, dry location, away from direct surfamily surfamily contains the contains and contains and contains and contains a cool in the contains and c	raterial wrdance were water a water a water a will with incontainers on taminate of municipated location eat, drivate. Ket; therefore



Page 3 of 7 POC-5004

Prepared to OSHA, ACC, ANSI, WHSR, WHMIS, GHS & EU Standards SDS Revision: 1.1 SDS Revision Date: 12/14/2019

.1	Exposure Limits:		AC	GIH		NOHSC			OSHA		OTHER	ł
	ppm (mg/m³)	CHEMICAL NAME(S)	TLV	STEL	ES-TWA	ES- STEL	ES- PEAK	PEL	STEL	IDLH		
1.2	Ventilation & Engineering Controls:	Use general/dilution or local execeeded. Do not use in enclose (e.g., local exhaust ventilation, exposure to eyes.	ed spaces	s. When v	working wit	th large	quantities	of produc	t, provide	e adequ	iate ver	ntilatior
3.3	Respiratory Protection:	Vaporization or misting is not exprotection is not anticipated unairborne concentrations above approved organic vapor respirated factors vary depending upon the with OSHA requirements (29 CF	der norm applicab ator equip tor type of	al use co le workp pped with respirato	onditions a place expo n a dust/m	and with osure le nist pre-	adequate vels are filter shou	ventilation anticipate Id be us	on. If ele ed, a NI ed. Prote	vated OSH- ection		
3.4	Eye Protection:	Wear protective eyewear (e.g., s use protective eyewear when cle absorb and concentrate irritants, tested and approved under appro	eaning sp . Have s	ills or lea uitable e	ıks. Conta ye wash w	ct lense ater ava	s pose a s ilable. Us	special ha	azard; so nent for e	ft lense ye prot	s may	
3.5	Hand Protection:	Use gloves constructed of chem prolonged contact is expected. standards of Canada, or the EU	If nec	essary, r								
3.6	Body Protection:	Avoid prolonged and/or repeated skin contact. Use clean and impervious protective clothing (e.g., neoprene or Tyvek®). Protective clothing should include long-sleeves, apron, boots and additional facial protection. If necessary, refer to appropriate standards of Canada, the EU member states, or U.S. OSHA.										
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	T	9. PHYSICAL	& CH	EMICA	AL PRO	PER	IIES					
9.1	Appearance: Odor:	Clear red liquid.										
9.3	Odor Threshold:	Slight hydrocarbon odor										
9.4	pH:	NA NA										
9.5	Melting Point/Freezing Point:	≥ -17 °C (≥ 0 °F)										
1.6	Initial Boiling Point/Boiling	NA										
9.7	Range: Flashpoint:	176 °C (350 °F)										
9.8	Upper/Lower Flammability Limits:	NA										
9.9	Vapor Pressure:	NA										
9.10	Vapor Density:	NA										
.11	Relative Density:	0.84										
.12	Solubility:	NA										
.13	Partition Coefficient (log Pow):	NA										
.14	Autoignition Temperature:	NA										
.15	Decomposition Temperature:	NA										
.16	Viscosity:	NA										
9.17	Other Information:	NA										
		1										
		10. STA	BILIT'	<u>Y & R</u>	EACTIV	<u>/ITY</u>						
10.1	Stability:	Relatively stable under ambient of	conditions	when st	ored prope	erly.						
10.2	Hazardous Decomposition Products:	If exposed to extremely high ter gases (e.g., oxides of carbon & n	nperature				omposition	may inc	lude irrita	ating va	pors a	nd tox
10.3	Hazardous Polymerization:	Will not occur.	09011).									
10.4	Conditions to Avoid:	Exposure or contact to extreme t	emnerati	ires inco	mnatible o	hemical	s strong lig	nht sourc	as snark	s flame	<u>, </u>	
		Exposure or contact to extreme t	ong acid		mpanbio 6	iiiodis	, on only lit	jiit Jourt	oo, opark	o, name	<i>,</i> .	



Page 4 of 7 POC-5004

Prepared to OSHA, ACC, ANSI, WHSR, WHMIS, GHS & EU Standards SDS Revision: 1.1 SDS Revision Date: 12/14/2019

		44					
		11. TOXICOLOGICAL INFORMATION					
11.1	Routes of Entry:	Inhalation: YES Absorption: YES Ingestion: NO					
11.2	Toxicity Data:	This product has NOT been tested on animals to obtain toxicology data. Toxicology data, found in scientific literature available for some of the components of the product and is presented below. Petroleum Distillates, Hydrotreated Heavy Paraffinic – LD ₅₀ (oral, rat) > 5,000 mg/kg; LD ₅₀ (dermal, rabbit) > 5					
		mg/kg; LC ₅₀ (inh, rat, 4h) > 5.53 mg/L					
11.3	Acute Toxicity:	Mineral oil mists derived from highly refined oils are reported to have low acute and sub-acute toxicities in anir Effects from single and short-term repeated exposures to high concentrations of mineral oil mists well above applic workplace exposure levels include lung inflammatory reaction, lipoid granuloma formation and lipoid pneumoni acute and sub-acute studies involving exposures to lower concentrations of mineral oil mists at or near cu					
11.4	Chronic Toxicity:	workplace exposure levels produced no significant toxicological effects. Prolonged or repeated skin contact can cause mild irritation and inflammation characterized by drying, crac					
		(dermatitis) or oil acne.					
11.5	Suspected Carcinogen:	<u>Petroleum Distillates, Hydrotreated Heavy Paraffinic</u> is listed on the ACGIH A2 list (Suspected human carcinogen); however, product contains less than 3% Dimethyl Sulfoxide (DMSO) per IP346.					
11.6	Reproductive Toxicity:	This product is not reported to produce reproductive toxicity in humans.					
	Mutagenicity:	This product is not reported to produce mutagenic effects in humans.					
	Embryotoxicity:	This product is not reported to produce embryotoxic effects in humans.					
	Teratogenicity:	This product is not reported to cause teratogenic effects in humans.					
	Reproductive Toxicity:	This product is not reported to produce reproductive toxicity in humans.					
11.7	Irritancy of Product:	See Section 4.2					
11.8	Biological Exposure Indices:	NE NE					
11.9	Physician Recommendations:	Treat symptomatically.					
		12. ECOLOGICAL INFORMATION					
12.1	Environmental Stability:	Analysis for ecological effects has not been conducted on this product. However, if spilled, this product and					
contaminated soil or water may be harmful to human, animal, and aquatic life. Also, the coating act petroleum and petroleum products can be harmful or fatal to aquatic life and waterfowl. Not readi							
40.0	Effects on Plants 0 Animals	water. Adsorbs into the soil.					
12.2	Effects on Plants & Animals:	There are no specific data available for this product. An environmental fate analysis has not been conducted on specific product. However, plants and animals may experience harmful or fatal effects when coated with petrole based products.					
12.3	Effects on Aquatic Life:	Petroleum-based (mineral) lube oils will normally float on water. In stagnant or slow-flowing waterways, an oil layer car cover a large surface area. As a result, this oil layer might limit or eliminate natural atmospheric oxygen transport into the water. With time, if not removed, oxygen depletion in the waterway can result in a loss of marine life or create an anaerobic environment. Severe algae growth can reduce oxygen content in the water possibly below levels necessar to support marine life. Avoid release to the environment. Petroleum distillates, hydrotreated heavy paraffinic - LC ₅ (Oncorhynchus mykiss, 96h): 5,000 mg/L; LC ₅₀ (Pimephales promelas, 96h): 100 mg/L; EC ₅₀ (Daphnia magna, 48h) 1,000 mg/L; NOEL (Pseudokirchneriella subcapitata (algae), 72h): 100 mg/L.					
		13. DISPOSAL CONSIDERATIONS					
13.1	Waste Disposal:	Review current local, state and federal laws, codes, statutes and regulations to determine current status appropriate disposal method for the ingredients listed in Section 3. Dispose of in accordance with local, state, provi					
		and federal laws and regulations. Disposal of hazardous waste must be through by a licensed treatment, storaged disposal facility (TSDF).					
13.2	Special Considerations:	disposal facility (TSDF). Unused oil may be recyclable. Contact the federal, state or provincial environmental authority to determine suitabilit recycling and or proper disposal requirements.					
13.2	Special Considerations:	disposal facility (TSDF). Unused oil may be recyclable. Contact the federal, state or provincial environmental authority to determine suitabilit recycling and or proper disposal requirements.					
The I	basic description (ID Number,	disposal facility (TSDF). Unused oil may be recyclable. Contact the federal, state or provincial environmental authority to determine suitability recycling and or proper disposal requirements. 14. TRANSPORTATION INFORMATION The proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Additional descriptive informs					
The I	basic description (ID Number, be required by 49 CFR, IATA)	disposal facility (TSDF). Unused oil may be recyclable. Contact the federal, state or provincial environmental authority to determine suitability recycling and or proper disposal requirements. 14. TRANSPORTATION INFORMATION The proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Additional descriptive information of the proper shipping name, hazard class & division, packing group) is shown for each mode of transportation.					
The I may	basic description (ID Number, be required by 49 CFR, IATA, 49 CFR (GND):	disposal facility (TSDF). Unused oil may be recyclable. Contact the federal, state or provincial environmental authority to determine suitability recycling and or proper disposal requirements. 14. TRANSPORTATION INFORMATION The proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Additional descriptive inform VICAO, IMDG and the CTDGR. NOT REGULATED					
The I may 14.1 14.2	basic description (ID Number, be required by 49 CFR, IATA/ 49 CFR (GND): IATA (AIR):	disposal facility (TSDF). Unused oil may be recyclable. Contact the federal, state or provincial environmental authority to determine suitability recycling and or proper disposal requirements. 14. TRANSPORTATION INFORMATION The proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Additional descriptive information in the companient of the proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Additional descriptive information in the companient of the property of the					
The I may 14.1 14.2 14.3	basic description (ID Number, be required by 49 CFR, IATA/ 49 CFR (GND): IATA (AIR): IMDG (OCN):	disposal facility (TSDF). Unused oil may be recyclable. Contact the federal, state or provincial environmental authority to determine suitability recycling and or proper disposal requirements. 14. TRANSPORTATION INFORMATION To proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Additional descriptive inform VICAO, IMDG and the CTDGR. NOT REGULATED NOT REGULATED NOT REGULATED					
The I may 14.1 14.2 14.3 14.4	basic description (ID Number, be required by 49 CFR, IATA/ 49 CFR (GND): IATA (AIR): IMDG (OCN): TDGR (Canadian GND):	disposal facility (TSDF). Unused oil may be recyclable. Contact the federal, state or provincial environmental authority to determine suitability recycling and or proper disposal requirements. 14. TRANSPORTATION INFORMATION The proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Additional descriptive inform VICAO, IMDG and the CTDGR. NOT REGULATED NOT REGULATED NOT REGULATED NOT REGULATED NOT REGULATED NOT REGULATED					
The I may 14.1 14.2 14.3 14.4 14.5	basic description (ID Number, be required by 49 CFR, IATA/49 CFR (GND): IATA (AIR): IMDG (OCN): TDGR (Canadian GND): ADR/RID (EU):	disposal facility (TSDF). Unused oil may be recyclable. Contact the federal, state or provincial environmental authority to determine suitability recycling and or proper disposal requirements. 14. TRANSPORTATION INFORMATION To proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Additional descriptive inform VICAO, IMDG and the CTDGR. NOT REGULATED NOT REGULATED NOT REGULATED					
The I	basic description (ID Number, be required by 49 CFR, IATA/ 49 CFR (GND): IATA (AIR): IMDG (OCN): TDGR (Canadian GND):	disposal facility (TSDF). Unused oil may be recyclable. Contact the federal, state or provincial environmental authority to determine suitability recycling and or proper disposal requirements. 14. TRANSPORTATION INFORMATION The proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Additional descriptive inform VICAO, IMDG and the CTDGR. NOT REGULATED NOT REGULATED NOT REGULATED NOT REGULATED NOT REGULATED NOT REGULATED					



16.5

Prepared by:

SAFETY DATA SHEET

Page 5 of 7 POC-5004

Prepared to OSHA, ACC, ANSI, WHSR, WHMIS, GHS & EU Standards SDS Revision Date: 12/14/2019 SDS Revision: 1.1 15. REGULATORY INFORMATION SARA Reporting Requirements: This product does not contain any substances subject to SARA Title III, Section 313 reporting requirements 15.1 SARA TPQ: 15.2 There are no specific Threshold Planning Quantities for the components of this product. TSCA Inventory Status: 15.3 The components of this product are listed on the TSCA Inventory. CERCLA Reportable Quantity: 15.4 Other Federal Requirements: 15.5 15.6 Other Canadian Regulations: This product has been classified according to the hazard criteria of the CPR and the SDS contains all of the information required by the CPR. The components of this product are listed on the DSL/NDSL. None of the components of this product are listed on the Priorities Substances List. WHMIS D2B (Other Toxic Effects). 15.7 State Regulatory Information: No ingredients in this product, present in a concentration of 1.0% or greater, are listed on any of the following state criteria lists: California Proposition 65 (CA65), Delaware Air Quality Management List (DE), Florida Toxic Substances List (FL), Massachusetts Hazardous Substances List (MA), Michigan Critical Substances List (MI), Minnesota Hazardous Substances List (MN), New Jersey Right-to-Know List (NJ), New York Hazardous Substances List (NY), Pennsylvania Right-to-Know List (PA), Washington Permissible Exposures List (WA), Wisconsin Hazardous Substances List (WI) Other Requirements: All components are either listed on the U.S. TSCA inventory or are not regulated under TSCA under 40 CFR § 720.30. Listed on AICS (Australian Inventory of Chemical Substances) Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China) Listed on KECI (Korean Existing Chemicals Inventory) New Zealand Inventory of Chemicals (NZIoC) Registration Status: CAS 67472-65-0: May be used as a single component chemical under an appropriate group standard CAS 67472-54-7: May be used as a single component chemical under an appropriate group standard CAS 67472-52-5: May be used as a single component chemical under an appropriate group standard NZIoC Classification: 6.1E, Lubricants (Low Hazard) - HSR002605 Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances) 16. OTHER INFORMATION WARNING! MAY BE HARMFUL IF SWALLOWED AND ENTERS AIRWAYS. IF SWALLOWED: Immediately call a Other Information: POISON CENTER or doctor/physician. Do NOT induce vomiting. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Store locked up. KEEP OUT OF REACH OF CHILDREN. 16.2 Terms & Definitions: See last page of this Safety Data Sheet. 16.3 Disclaimer: This Safety Data Sheet is offered pursuant to OSHA's Hazard Communication Standard, 29 CFR §1910.1200. Other government regulations must be reviewed for applicability to this product. To the best of ShipMate's, Smarter Sorting's & Petra Oil Company's knowledge, the information contained herein is reliable and accurate as of this date; however, accuracy, suitability or completeness is not guaranteed and no warranties of any type, either expressed or implied, are provided. The information contained herein relates only to the specific product(s). If this product(s) is combined with other materials, all component properties must be considered. Data may be changed from time to time. Be sure to consult the latest edition. 16.4 Prepared for: Petra Oil Company

SMARTER

SORTING

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Smarter Sorting

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Page 6 of 7 POC-5004

Prepared to OSHA, ACC, ANSI, WHSR, WHMIS, GHS & EU Standards

SDS Revision: 1.1

SDS Revision Date: 12/14/2019



Page 7 of 7 POC-5004

Prepared to OSHA, ACC, ANSI, WHSR, WHMIS, GHS & EU Standards

SDS Revision: 1.1

SDS Revision Date: 12/14/2019

DEFINITION OF TERMS

A large number of abbreviations and acronyms appear on a SDS. Some of these that are commonly used include the following:

GENERAL INFORMATION:

CAS No.	Chemical Abstract Service Number
RTECS No.	Registry of Toxic Effects of Chemical Substances Number
EINECS No.	European Inventory of Existing Commercial Chemical Substances Number

EXPOSURE LIMITS IN AIR:

ACGIH	ACGIH American Conference on Governmental Industrial Hygienists	
IDLH Immediately Dangerous to Life and Health		
NOHSC National Occupational Health and Safety Commission (Australia)		
OSHA U.S. Occupational Safety and Health Administration		
PEL Permissible Exposure Limit		
STEL Short Term Exposure Limit		
TLV Threshold Limit Value		
TWA Time Weighted Average		

FIRST AID MEASURES:

CPR	Cardiopulmonary resuscitation - method in which a person whose heart has
	stopped receives manual chest compressions and breathing to circulate blood
	and provide oxygen to the body.

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: HMIS

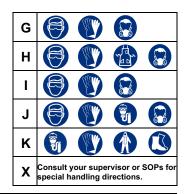
HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

0	0 Minimal Hazard	
1 Slight Hazard		
2 Moderate Hazard		
3 Severe Hazard		
4	Extreme Hazard	



PERSONAL PROTECTION RATINGS:

Α			
В			
С		H.	
D			
Е			
F		H.	





OTHER STANDARD ABBREVIATIONS:

Carc	Carcinogenic	
Irrit	Irrit Irritant	
NA Not Available		
NR	No Results	
ND	Not Determined	
NE Not Established		
NF Not Found		
SCBA Self-Contained Breathing Apparatus		
Sens	Sensitization	
STOT RE	Specific Target Organ Toxicity – Repeat Exposure	
STOT SE	Specific Target Organ Toxicity – Single Exposure	

NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

FLAMMABILITY LIMITS IN AIR:			
Autoignition Temperature	Minimum temperature required to initiate combustion in air with no other source of ignition		
LEL	Lower Explosive Limit - lowest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source		
UEL	Upper Explosive Limit - highest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source		

HAZARD RATINGS:

0	Minimal Hazard	FLAMMABILITY
1	Slight Hazard	\ \ \
2	Moderate Hazard	REACTIVITY
3	Severe Hazard	
4	Extreme Hazard	
ACD	Acidic	
ALK	Alkaline	
COR	Corrosive	□ / ₹₩ ≯
₩	Use No Water	HEALTH 🔪
ОХ	Oxidizer	SPECIAL
TREFOIL	Radioactive	PRECAUTIONS

TOXICOLOGICAL INFORMATION:

LD ₅₀	Lethal Dose (solids & liquids) which kills 50% of the exposed animals
LC ₅₀	Lethal concentration (gases) which kills 50% of the exposed animal
ppm	Concentration expressed in parts of material per million parts
TD _{Io} Lowest dose to cause a symptom	
TCLo	Lowest concentration to cause a symptom
TDio, LDio, & LDo or	Lowest dose (or concentration) to cause lethal or toxic effects
TC, TCo, LCio, & LCo	
IARC	International Agency for Research on Cancer
NTP	National Toxicology Program
RTECS	Registry of Toxic Effects of Chemical Substances
BCF	Bioconcentration Factor
TLm	Median threshold limit
log Kow or log Koc	Coefficient of Oil/Water Distribution

REGULATORY INFORMATION:

WHMIS	Canadian Workplace Hazardous Material Information System				
DOT	U.S. Department of Transportation				
TC	Transport Canada				
EPA	U.S. Environmental Protection Agency				
DSL	Canadian Domestic Substance List				
NDSL	Canadian Non-Domestic Substance List				
PSL	Canadian Priority Substances List				
TSCA	U.S. Toxic Substance Control Act				
EU	European Union (European Union Directive 67/548/EEC)				
WGK	Wassergefährdungsklassen (German Water Hazard Class)				

WORKPLACE HAZARDOUS MATERIALS IDENTIFICATION (WHMIS) SYSTEM:

0	((2)	(**)	\odot	®		
Class A	Class B	Class C	Class D1	Class D2	Class D3	Class E	Class F
Compressed	Flammable	Oxidizing	Toxic	Irritation	Infectious	Corrosive	Reactive

CLP/GHS (1272/2008/EC) PICTOGRAMS:

			\Diamond	A PARTIES AND A				*
GHS01	GHS02	GHS03	GHS04	GHS05	GHS06	GHS07	GHS08	GHS09
Explosive	Flammable	Oxidizer	Pressurized	Corrosive	Toxic	Harmful Irritating	Health Hazard	Environment