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POC-3002 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 DIESEL FUEL SYSTEM CLEANER 1.2 Chemical Name: Petroleum Distillates 1.3 Synonyms 3002 1.4 Trade Names Petra Diesel Fuel System Cleaner 1.5 Product Use: Diesel Fuel System Treatment 1.6 Petra Oil NZ Distributor's Name: 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). DANGER! COMBUSTIBLE LIQUID. MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS. CAUSES SKIN IRRITATION. Classification: Flam. Liq. 4, Asp. Tox. 1, Skin Irrit. 2 2.2 Label Elements: Hazard Statements (H): H227 - Combustible liquid. H304 - May be fatal if swallowed and enters airways. H315 - Causes skin irritation. Precautionary Statements (P): P264 - Wash hands and exposed skin areas with soap and warm water thoroughly after handling. P270 - Wear protective gloves/eye protection. P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P302+P352 - IF ON SKIN: Wash with plenty of soap and water. P321 - Specific treatment: See Section 4.1 of the Safety Data Sheet. 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. P332+P313 - If skin irritation occurs: Get medical advice/attention. P362 - Take off contaminated clothing. P370+P378 - In case of fire: Use CO2, foam, dry powder or water spray for extinction. P403+P235 - Store in a well-ventilated place. Keep cool. 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. 3. COMPOSITION & INGREDIENT INFORMATION EXPOSURE LIMITS IN AIR (mg/m3) NOHSC OSHA ppm ppm ppm ES-ES-CAS No. STEL PEL IDLH CHEMICAL NAME(S) RTECS No. **EINECS No** TI V TWA STFI PEAK STFI OTHER DISTILLATES (PETROLEUM), 64742-47-8 265-149-8 60-100 (5) (10) NF NF NA NA OIL MIST HYDROTREATED HEAVY Asp. Tox. 1; H304 PARAFFINIC 64742-94-5 WF3100000 926-273-4 60-100 (5) (10) (5) NF NF (5) NA NA OIL MIST NAPHTHA, HEAVY AROMATIC Asp. Tox. 1; H304 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. Skin: Remove contaminated clothing and wash affected areas with soap and water. If discomfort persists 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. 42 Effects of Exposure: Irritation to the gastrointestinal tract. This material can enter the lungs during swallowing or vomiting and Ingestion: cause lung damage. Irritation upon direct contact. Symptoms may include stinging, tearing, redness and swelling. Eyes:

Skin:

Inhalation:

symptoms of redness, stinging.

and enters airways.

Mildly irritating. Prolonged or repeated skin contact can result in defatting, drying of the skin with

Inhalation may cause irritation to the respiratory tract (nose, throat and lungs). May be fatal if swallowed



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_	1	4. FIRST AID MEASURES – co					
4.3	Symptoms of Overexposure:	Ingestion: Nausea, intestinal discomfort, vomiting and/or diarrhea.					
		Eyes: Overexposure in eyes may cause redness, itching a	•				
		Skin: Symptoms of skin overexposure may include rec product can cause allergic skin reactions (e.g., rash					
		Inhalation: May cause irritation or asthma-like symptoms.					
1.4	Acute Health Effects:	Moderate irritation to eyes and skin near affected areas. Ad drowsiness, dizziness, headaches and nausea.	lditionally, high concentrations of vapo	rs can caus			
1.5	Chronic Health Effects:	None reported by the manufacturer.					
1.6	Target Organs:	Eyes, Skin					
4.7	Medical Conditions Aggravated	Pre-existing skin, eye, or respiratory disorders.	HEALTH	2			
	by Exposure:		FLAMMABILITY	2			
			PHYSICAL HAZARDS	0			
			PROTECTIVE EQUIPMENT	B			
			EYES SKIN				
		5. FIREFIGHTING MEASURE	S				
5.1	Fire & Explosion Hazards:	WARNING! Keep away from heat, hot surface, sparks, open fla smoking. If involved in a fire, this product may decompose at hi (e.g., CO, CO _X , hydrocarbons). Vapors of this product are heavier of ignition and flash back to a leaking or open container.	igh temperatures to form toxic gases				
5.2	Extinguishing Methods:	For small fires, use dry chemical, carbon dioxide, water spray	or alcohol-resistant foam. Use water				
		spray to cool fire-exposed containers. Water may be ineffective. F alcohol-resistant foam. Do NOT use straight streams of water.		2 2			
		hot oil. Hazardous decomposition products may be released.	Thermal degradation may produce				
		oxides of carbon, and/or nitrogen, hydrocarbons and/or derivative distance. Keep containers cool until well after the fire is out. I surfaces and to protect personal. Fight fire upwind. Prevent ruentering sewers, drains, drinking water supply, or any natural water	es. Fire should be fought from a safe Use water spray to cool fire-exposed unoff from fire control or dilution from				
		distance. Keep containers cool until well after the fire is out. Usurfaces and to protect personal. Fight fire upwind. Prevent ruentering sewers, drains, drinking water supply, or any natural water	es. Fire should be fought from a safe Use water spray to cool fire-exposed unoff from fire control or dilution from erway.				
3.1	Spills:	distance. Keep containers cool until well after the fire is out. I surfaces and to protect personal. Fight fire upwind. Prevent ru	es. Fire should be fought from a safe Use water spray to cool fire-exposed unoff from fire control or dilution from erway. SURES	nal Protectiv			
6.1	Spills:	distance. Keep containers cool until well after the fire is out. Usurfaces and to protect personal. Fight fire upwind. Prevent ruentering sewers, drains, drinking water supply, or any natural water. 6. ACCIDENTAL RELEASE MEAS	es. Fire should be fought from a safe Use water spray to cool fire-exposed unoff from fire control or dilution from erway. SURES cleanup must wear appropriate Person ersonal protective equipment (e.g., gog II sources of ignition. Remove spilled of for disposal. Dispose of properly in act of outside of container with plenty of water ere even erected individuals. Dike and contain secovery and cleanup. Transfer liquid to that interest for proper disposal. Remove	gles, gloves) material with cordance with rm water and spill with iner containers fo contaminated			
3.1	Spills:	distance. Keep containers cool until well after the fire is out. It surfaces and to protect personal. Fight fire upwind. Prevent ruentering sewers, drains, drinking water supply, or any natural water. 6. ACCIDENTAL RELEASE MEAS Before cleaning any spill or leak, individuals involved in spill Equipment. For small spills (e.g., < 1 gallon (3.8 L)) wear appropriate per Maximize ventilation (open doors and windows) and secure all absorbent material and place into appropriate closed container(s) local, state and federal regulations. Wash all affected areas am soap. Remove any contaminated clothing and wash thoroughly be For large spills (e.g., ≥ 1 gallon (3.8 L)), deny entry to all unpromaterial (e.g., sand or earth). Use ONLY non-sparking tools for recovery or disposal and solid diking material to separate cor clothing promptly and wash affected skin areas with soap and wash	es. Fire should be fought from a safe Use water spray to cool fire-exposed unoff from fire control or dilution from erway. SURES cleanup must wear appropriate Person ersonal protective equipment (e.g., gog II sources of ignition. Remove spilled of for disposal. Dispose of properly in act doutside of container with plenty of water reuse. Totacted individuals. Dike and contain secovery and cleanup. Transfer liquid to that the container for proper disposal. Remove atter. Keep spills and cleaning runoffs out	gles, gloves; material with cordance with rm water and spill with iner containers for contaminate			
7.1	Spills: Work & Hygiene Practices:	distance. Keep containers cool until well after the fire is out. It surfaces and to protect personal. Fight fire upwind. Prevent ruentering sewers, drains, drinking water supply, or any natural water. 6. ACCIDENTAL RELEASE MEAS Before cleaning any spill or leak, individuals involved in spill Equipment. For small spills (e.g., < 1 gallon (3.8 L)) wear appropriate per Maximize ventilation (open doors and windows) and secure all absorbent material and place into appropriate closed container(s) local, state and federal regulations. Wash all affected areas an soap. Remove any contaminated clothing and wash thoroughly befor large spills (e.g., ≥ 1 gallon (3.8 L)), deny entry to all unpromaterial (e.g., sand or earth). Use ONLY non-sparking tools for recovery or disposal and solid diking material to separate conclothing promptly and wash affected skin areas with soap and was sewers and open bodies of water.	es. Fire should be fought from a safe Use water spray to cool fire-exposed unoff from fire control or dilution from erway. SURES cleanup must wear appropriate Person ersonal protective equipment (e.g., gog II sources of ignition. Remove spilled of for disposal. Dispose of properly in act of outside of container with plenty of waterore reuse. rotected individuals. Dike and contain secovery and cleanup. Transfer liquid to entainers for proper disposal. Remove ater. Keep spills and cleaning runoffs outside.	gles, gloves material wit cordance wit rm water an spill with ine containers for contaminate at of municipal dilated locatio			
		distance. Keep containers cool until well after the fire is out. It surfaces and to protect personal. Fight fire upwind. Prevent ruentering sewers, drains, drinking water supply, or any natural water. 6. ACCIDENTAL RELEASE MEAS Before cleaning any spill or leak, individuals involved in spill Equipment. For small spills (e.g., < 1 gallon (3.8 L)) wear appropriate per Maximize ventilation (open doors and windows) and secure all absorbent material and place into appropriate closed container(s) local, state and federal regulations. Wash all affected areas and soap. Remove any contaminated clothing and wash thoroughly be For large spills (e.g., ≥ 1 gallon (3.8 L)), deny entry to all unprimaterial (e.g., sand or earth). Use ONLY non-sparking tools for recovery or disposal and solid diking material to separate conclothing promptly and wash affected skin areas with soap and was sewers and open bodies of water. 7. HANDLING & STORAGE INFORMATION Avoid prolonged contact with the product. Avoid breathing vap (e.g., local exhaust ventilation, fans). After use, wash hands and	es. Fire should be fought from a safe Use water spray to cool fire-exposed unoff from fire control or dilution from erway. SURES cleanup must wear appropriate Person ersonal protective equipment (e.g., gog II sources of ignition. Remove spilled) for disposal. Dispose of properly in act doutside of container with plenty of watefore reuse. Totected individuals. Dike and contain strecovery and cleanup. Transfer liquid to that the containers for proper disposal. Remove atter. Keep spills and cleaning runoffs out the containers for proper disposal. Remove atter. Keep spills and cleaning runoffs out exposed skin with soap and water. Do Open containers slowly on a stable sur contain residual amounts of this produin a cool, dry location, away from direct statible materials (See Section 10).	gles, gloves material wit cordance wit rm water an spill with ine containers for contaminate it of municipal dilated location of eat, drin urface. Kee uct; therefore sunlight, other			



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1	Exposure Limits:		ACGIH			NOHSC		OSHA			OTHER			
	ppm (mg/m³)	CHEMICAL NAME(S)	TLV	STEL	ES-TWA	ES- STEL	ES- PEAK	PEL	STEL	IDLH				
		DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC	(5)	(10)	(5)	NA	NA	(5)	NA	NA	OIL MIST			
		NAPHTHA, HEAVY AROMATIC	(5)	(10)	(5)	NA	NA	(5)	NA	NA	OIL MIST			
8.2	Ventilation & Engineering Controls:	Use general/dilution or local execeeded. Do not use in enclose (e.g., local exhaust ventilation, exposure to eyes.	d spaces	s. When	working wi	th large	quantities	of produc	ct, provid	e adequ	iate ventilation			
8.3	Respiratory Protection:	Vaporization or misting is not protection is not anticipated undo concentrations above applicable vapor respirator equipped with a	Vaporization or misting is not expected at ambient temperatures. Therefore, the need for respiratory protection is not anticipated under normal use conditions and with adequate ventilation. If elevated airborne concentrations above applicable workplace exposure levels are anticipated, a NIOSH-approved organic vapor respirator equipped with a dust/mist pre-filter should be used. Protection factors vary depending upon the type of respirator used. Respirators should be used in accordance with OSHA requirements (29 CFR 1910.134).											
8.4	Eye Protection:	Always use protective eyewear lenses may absorb and concent	Wear protective eyewear (e.g., safety glasses with side-shield) at all times when handling this product. Always use protective eyewear when cleaning spills or leaks. Contact lenses pose a special hazard; soft lenses may absorb and concentrate irritants. Have suitable eye wash water available. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN											
8.5	Hand Protection:	prolonged contact is expected.	Use gloves constructed of chemical-resistant materials such as neoprene or heavy nitrile rubber if frequent or prolonged contact is expected. If necessary, refer to U.S. OSHA 29 CFR §1910.138, the appropriate standards of Canada, or the EU member states.											
8.6	Body Protection:	Avoid prolonged and/or repeated skin contact. Use clean and impervious protective clothing (e.g., neo or Tyvek®). Protective clothing should include long-sleeves, apron, boots and additional facial protect necessary, refer to appropriate standards of Canada, the EU member states, or U.S. OSHA.												
											<u>'</u>			
		9. PHYSICAL	<u>& СН</u>	EMIC.	<u>AL PRO</u>	<u> PER</u>	TIES							
9.1	Appearance:	Colorless to pale yellow liquid												
9.2	Odor:	Petroleum-like odor												
9.3	Odor Threshold:	NA												
9.4	pH:	NA												
9.5	Melting Point/Freezing Point:	NA												
9.6	Initial Boiling Point/Boiling Range:	> 204.4 °C (> 400 °F)												
9.7	Flashpoint:	> 68.3 °C (> 155 °F)												
9.8	Upper/Lower Flammability Limits:	NA												
0.0	Vapor Pressure:	NA												
ອ.ອ	Vapor Density:	NA												
	Relative Density:	0.79 @ 70 F												
9.10	Solubility:	Poorly soluble in water.												
9.10 9.11														
9.10 9.11 9.12	Partition Coefficient (log Pow):	NA												
9.10 9.11 9.12 9.13	Partition Coefficient (log Pow): Autoignition Temperature:	NA												
9.10 9.11 9.12 9.13 9.14		<u> </u>												
9.10 9.11 9.12 9.13 9.14 9.15	Autoignition Temperature:	NA > 287.8 °C (> 550 °F)												
9.10 9.11 9.12 9.13 9.14 9.15 9.16	Autoignition Temperature: Decomposition Temperature:	NA > 287.8 °C (> 550 °F) NA NA												
9.10 9.11 9.12 9.13 9.14 9.15 9.16	Autoignition Temperature: Decomposition Temperature: Viscosity:	NA > 287.8 °C (> 550 °F) NA												
9.10 9.11 9.12 9.13 9.14 9.15 9.16	Autoignition Temperature: Decomposition Temperature: Viscosity:	NA > 287.8 °C (> 550 °F) NA NA	BILIT	Y & R	EACTI	VITY								
9.10 9.11 9.12 9.13 9.14 9.15 9.16 9.17	Autoignition Temperature: Decomposition Temperature: Viscosity:	NA > 287.8 °C (> 550 °F) NA NA NA												
9.10 9.11 9.12 9.13 9.14 9.15 9.16 9.17	Autoignition Temperature: Decomposition Temperature: Viscosity: Other Information:	NA > 287.8 °C (> 550 °F) NA NA NA	onditions	s when s	tored prope	erly.	omposition	n may inc	clude irrit	ating va	pors and to			
9.10 9.11 9.12 9.13 9.14 9.15 9.16	Autoignition Temperature: Decomposition Temperature: Viscosity: Other Information: Stability: Hazardous Decomposition	NA > 287.8 °C (> 550 °F) NA NA NA 10. STA Relatively stable under ambient of the state of	onditions	s when s	tored prope	erly.	omposition	ı may inc	clude irrit	ating va	pors and to			
9.12 9.13 9.14 9.15 9.16 9.17 10.1 10.2	Autoignition Temperature: Decomposition Temperature: Viscosity: Other Information: Stability: Hazardous Decomposition Products:	NA > 287.8 °C (> 550 °F) NA NA NA 10. STA Relatively stable under ambient of the state of	onditions	s when s es, produ	tored propercts of ther	erly. mal deco	· 							



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		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, is
	,	available for some of the components of the product and is presented below.
		Naphtha, Heavy Aromatic – LD ₅₀ (oral, rat) > 5,000 mg/kg; LD ₅₀ (dermal, rabbit) > 2,000 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 animals
		Effects from single and short-term repeated exposures to high concentrations of mineral oil mists well above applicable workplace exposure levels include lung inflammatory reaction, lipoid granuloma formation and lipoid pneumonia. In
		acute and sub-acute studies involving exposures to lower concentrations of mineral oil mists at or near current
		workplace exposure levels produced no significant toxicological effects.
11.4	Chronic Toxicity:	Prolonged or repeated skin contact can cause mild irritation and inflammation characterized by drying, cracking
11.5	Currented Countries	(dermatitis) or oil acne. Petroleum Distillates, Hydrotreated Heavy Paraffinic is listed on the ACGIH A2 list (Suspected Human Carcinogen);
11.5	Suspected 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
11.9	Physician Recommendations:	Treat symptomatically.
		12. ECOLOGICAL INFORMATION
12.1	Environmental Stability:	
12.1	Liviloninental Stability.	Analysis for ecological effects has not been conducted on this product. However, if spilled, this product and any contaminated soil or water may be harmful to human, animal, and aquatic life. Also, the coating action associated with
		petroleum and petroleum products can be harmful or fatal to aquatic life and waterfowl. Not readily biodegradable in
		water. Naphtha, Heavy Aromatic: Log Pow 2.9-6.1
12.2	Effects on Plants & Animals:	There are no specific data available for this product. An environmental fate analysis has not been conducted on this
		specific product. However, plants and animals may experience harmful or fatal effects when coated with petroleum-
12.3	Effects on Aquatic Life:	based products. Petroloum based (minoral) lube ails will permally float an water. In stagnant as alow flowing waterways, an ail layer can
12.0	Ellecis on Aquatic Elle.	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 ar
		anaerobic environment. Severe algae growth can reduce oxygen content in the water possibly below levels necessary
		to support marine life. Petroleum Distillates, Hydrotreated Heavy Paraffinic - LC ₅₀ (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.
		11 Jeddomioniona Japodphata (algae), 1211. 100 mg/c.
		13. DISPOSAL CONSIDERATIONS
13.1	Waste Disposal:	Review current local, state and federal laws, codes, statutes and regulations to determine current status and
		appropriate disposal method for the ingredients listed in Section 3. Dispose of in accordance with local, state, provincia
		and federal laws and regulations. Disposal of hazardous waste must be through by a licensed treatment, storage or
40.0	0	disposal facility (TSDF).
13.2	Special Considerations:	Contact the federal, state or provincial environmental authority to determine suitability for recycling and or proper
		disposal requirements.
		14. TRANSPORTATION INFORMATION
The h	pasic description (ID Number	proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Additional descriptive information
		/ICAO, IMDG and the CTDGR.
14.1	49 CFR (GND):	NOT REGULATED
14.2	IATA (AIR):	NOT REGULATED
14.3	IMDG (OCN):	NOT REGULATED
14.4	TDGR (Canadian GND):	NOT REGULATED
14.5	ADR/RID (EU):	NOT REGULATED
14.6	SCT (MEXICO):	NOT REGULATED
14.7	ADGR (AUS):	NOT REGULATED
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		15. REGULATORY INFORMATION		
15.1	SARA Reporting Requirements:	This product does not contain any substances subject to SARA Title III, Section 313 reporting requirements		
15.2	SARA TPQ:	There are no specific Threshold Planning Quantities for the components of this product.		
15.3	TSCA Inventory Status:	The components of this product are listed on the TSCA Inventory.		
15.4	CERCLA Reportable Quantity:	NA .		
15.5	Other Federal Requirements:	NA		
15.6	Other Canadian Regulations:	This product has been classified according to the hazard criteria of the CPR and the SDS ontains 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 B3, D2B (Combustible Liquid, 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).		
15.8	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 64742-54-7: May be used as a single component chemical under an appropriate group standard CAS 64742-94-5: May be used as a single component chemical under an appropriate group standard NZIoC Classification: 6.1E, N.O.S. (Subsidiary Hazard) – HSR002624 Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)		
10.1		16. OTHER INFORMATION		
16.1	Other Information:	DANGER! COMBUSTIBLE LIQUID. MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS. CAUSES SKIN IRRITATION. Wash hands and exposed skin areas with soap and warm water thoroughly after handling. Wear protective gloves/eye protection. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. IF ON SKIN: Wash with plenty of soap and water. Specific treatment: See Section 4.1 of the Safety Data Sheet. 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. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing. In case of fire: Use CO ₂ , foam, dry powder or water spray for extinction. Store in a well-ventilated place. Keep cool. 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 50 Jacobs Lane Ngaruawahia 3792, New Zealand Tel: +64 (21) 771 703 Email: agacita@petraoilco.com		
16.5	Prepared by:	Smarter Sorting 2900 E. Cesar Chavez Street Austin, TX 78702 USA Tel: +1 (512) 593-2594 E-mail: support@smartesorting.com https://www.smartersorting.com		



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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	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

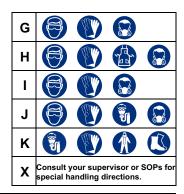
HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

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



PERSONAL PROTECTION RATINGS:

Α			
В			
С		H.	
D		THE N	
Е			
F		THE NAME OF THE PERSON OF THE	





OTHER STANDARD ABBREVIATIONS:

Carc	Carcinogenic
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

FLAMMABILI	FLAMMABILITY LIMITS IN AIR:			
Autoignition Minimum temperature required to initiate combustion in air with no other so 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	─ / ▼ ₩ >
W	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				
LC50	Lethal concentration (gases) which kills 50% of the exposed animal				
ppm Concentration expressed in parts of material per million					
TDIo	Dio 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				
ing inter or register					

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	PSL Canadian Priority Substances List			
TSCA	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	(49)		
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					*
GHS01	GHS02	GHS03	GHS04	GHS05	GHS06	GHS07	GHS08	GHS09
Explosive	Flammable	Oxidizer	Pressurized	Corrosive	Toxic	Harmful Irritating	Health Hazard	Environment