

Page 1 of 6 POC-9002

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

| | | 1. PRODUCT & COMPANY IDENTIFICATION | |
|-----|------------------------|---|--|
| 1.1 | Product Name: | PETRA PENETRATE | |
| 1.2 | Chemical Name: | Aerosol | |
| 1.3 | Synonyms: | 9002 | |
| 1.4 | Trade Names: | Petra Penetrate | |
| 1.5 | Product Use: | Lubricant | |
| 1.6 | Distributor's Name: | Petra Oil NZ | |
| 1.7 | Distributor's Address: | 50 Jacobs Lane, Ngaruawahia 3792, New Zealand | |
| 1.8 | Emergency Phone: | NZ NATIONAL POISONS CENTRE (0800) 764 766 | |
| 1.9 | Business Phone / Fax: | Tel: +64 (21) 771 703 | |

| | | | 2. H | AZARDS I | DENT | FICA | TION | | | | | | |
|-------|----------------------------|--|---|------------------------------------|------------|------------|-------------|-----------|----------|-----------|------------|------------|---|
| 2.1 | Hazard Identification: | | | | | | NCE an | nd as D | ANGE | ROUS | GOO | DS ac | cording to the |
| | | | | SR and ADG C | , | , | | | | | | | |
| | | | | | | | SURIZE | D CON | TAINE | R: MA | Y BUR | RST IF | HEATED. MAY |
| | | | | ED AND ENTE | RS AIRW | AYS. | | | | | | | |
| | = | | : Aerosols 1, A | | | | | | | | | | |
| 2.2 | Label Elements: | burst if heater Precautionary P210 - Keep smoking. P2 container: Do control cente P410+P403 - sunlight. Do contents/cont | Adazard Statements (H): H222 – Extremely flammable aerosol. H229 - Pressurized container: may burst if heated. H304 – May be fatal if swallowed and enters airways. Precautionary Statements (P): P102 – Keep out of reach of children. P103 – Read label before use. P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P211 - Do not spray on an open flame or other ignition source. P251 - Pressurized container: Do not pierce or burn, even after use. P301+P310 - If swallowed: Immediately call a poison control center, doctor/physician. P331 – Do NOT induce vomiting. P405 - Store locked up. P410+P403 - Protect from sunlight. Store in a well-ventilated place. P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. P501 - Dispose of contents/container to appropriate waste disposal facility, in accordance with local, regional, national, international regulations. | | | | | | | | | | |
| 2.3 | Other Warnings: | | | | | | | | | | | | |
| 2.3 | Other warnings. | center, who n | nay seek advi | | S. manufa | cturer, ar | nd show | them th | | | | | I poison control s needed, have |
| | | | | | | | | | | | | | |
| | | 3. CO | MPOSIT | ION & INC | REDI | ENT II | NFOR | RMAT | ION | | | | |
| | | 1 | | | 1 | | | | SURE L | IMITS IN | AIR (mo | a/m³) | |
| | | | | | | ACGI | Н | NOHS | | | OSHA | | |
| | | | | | | ppm | | ppm | | | ppm | | |
| | | | | | | | ES | | ES- | | | | |
| | CAL NAME(S) ENT NAPHTHA | CAS No. 64742-49-0 | RTECS No. WF3400000 | 265-199-0 | % 45-90 | | NA NF | | . PEAK | PEL NA | STEL NA | IDLH NA | OTHER |
| | ROLEUM), LIGHT AROMATIC | Asp. Tox. 1; H | | 203-199-0 | 40-00 | IN/A I | INA INI | INI | INI | INA | INA | INA | |
| | ENT NAPHTHA | 64742-88-7 | WJ8930000 | 265-191-7 | 7-30 | NA | NA N | F NF | NF | NA | NA | NA | |
| (PETF | ROLEUM) MEDIUM ALIPHATIC | Asp. Tox. 1; H | | • | • | • | • | | | | | • | • |
| | OLEUM GASES, LIQUEFIED, | 67476-85-7 | SE7545000 | 270-704-2 | 5-45 | 1000 N | | 00) 1800 | NF | 1000 | NA | 2000 | |
| SWEE | TENED | | | c. 1B; Muta. 1B; F | | | | | | | | | |
| SODIL | JM SULFATE ALKYL ETHER | NA | NA | NA | 1-4 | NA | NA NI | F NF | NF | NA | NA | NA | |
| | | 1 | | | | | | | | | | | |
| | | | | FIRST AI | | | | | | | | | |
| 4.1 | First Aid: | Ingestion: | | | | | | | | | | | cal emergency |
| | | | label where the risk of as | possible). If vor piration. | miting occ | urs spont | taneousl | ly, keep | victim's | s head | lower | ed (forv | vice (show the vard) to reduce |
| | | Eyes: | eyes thoroug | hly with copiou | is amount | s of wate | er for at I | east 15 | minute | s, hold | ding ey | elid(s) | the eyes, flush open to ensure a physician or |
| | | | 0 , | oom immediate | , | | | | - | | , | | |
| | | <u>Skin</u> : | and/or the sl | kin reaction wo | rsens, co | ntact a p | | | | | | | omfort persists inated clothing |
| | | Inhalation: | | ias been propei im to fresh air | | | extreme | e conditi | ions, if | breat | hing s | tops, p | erform artificial |
| | | | | Cook immediate | | | | | • | | | | |

respiration. Seek immediate medical attention.



Page 2 of 6 POC-9002

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

| | | | 4 51007 410 445 4011050 | 41.1 | | | |
|-----|---|---|---|--|--|--|--|
| | I =# = | 1 . | 4. FIRST AID MEASURES – co | | | | |
| 4.2 | Effects of Exposure: | Ingestion: Eyes: Skin: Inhalation: | Irritation to the gastrointestinal tract. This material cause lung damage. Irritation upon direct contact. Symptoms may includ Repeated exposure to this material can result in hazard. Toxic in contact with skin. Causes skin irritat Vapors of this product may be moderately irritating system. Symptoms of overexposure can include breathing. Inhalation of concentrated vapors cadrowsiness, dizziness, headaches, nausea). Odor may occur. | le stinging, tearing absorption throation. to the nose, throcoughing, wheelen cause central | ng, redness a rough skin of pat and other ezing, nasal al nervous s | and swelling. ausing significates tissues of the recongestion, and | ant health respiratory d difficulty sion (e.g., |
| 4.3 | Symptoms of Overexposure: | Ingestion: Eyes: Skin: Inhalation: | Nausea, intestinal discomfort, vomiting and/or diarrh Overexposure in eyes may cause redness, itching a Symptoms of skin overexposure may include redne Shortness of breath. May cause drowsiness or dizzi | and watering. ess, itching, and i iness. | | | |
| 4.4 | Acute Health Effects: | | lowed. Swallowing a small quantity of this material wil kin near affected areas. Additionally, high concent and nausea. | | | | |
| 4.5 | Chronic Health Effects: | | f damaging fertility or the unborn child. Causes dama | ige to organs. | | | |
| 4.6 | Target Organs: Medical Conditions Aggravated | Eyes, Skin, I | _ungs skin, eye, or respiratory disorders. | LIEAL TH | | | 4 |
| 4.7 | by Exposure: | Pre-existing | skin, eye, or respiratory disorders. | HEALTH | DI 1774 | | 1 |
| | | | | FLAMMA | | 20 | 4 |
| | | | | | L HAZARI | | 1 |
| | | | | - | TIVE EQUI | 1 | В |
| | | | | EYES | SKIN | LUNGS | |
| 5.2 | Extinguishing Methods: | until bursting gases if exp fire has bee container clo products suc For small fir water spray | erosols may be projectile hazards when bursting. If a is complete. Containers may rupture and release osed to the heat of fire. Keep containers cool by spon extinguished. Keep away from heat, lit cigarette osed. When exposed to high temperatures, may proch as oxides of carbon (e.g., CO, CO ₂) and nitrogen (e.g., use dry chemical, carbon dioxide, water spray to cool fire-exposed containers. Water may be ineffer alcohol-resistant foam. Do NOT use straight streams | flammable liquic praying them with es, sparks & ope oduce hazardou e.g., NOx) and sr or alcohol-resise ective. For large | ds or/or expo th water until en flame. K s decompos moke. stant foam. | osed the deep dition | 4 0 |
| 5.3 | Firefighting Procedures: | As in any fire, wear MSHA/NIOSH approved self-contained breathing apparatus (pressure-demand) and full protective gear. Keep containers cool until well after the fire is out. Use water spray to cool fire-exposed surfaces and to protect personal. Fight fire upwind. Prevent runoff from fire control or dilution from entering sewers, drains, drinking water supply, or any natural waterway. Firefighters must use full bunker gear including NIOSH-approved positive pressure self-contained breathing apparatus to protect against potential hazardous combustion or decomposition products and oxygen deficiencies. | | | | | |
| | | (| 6. ACCIDENTAL RELEASE MEAS | SURES | | | |
| 6.1 | Spills: | Equipment. For small si Maximize ve absorbent m local, state a soap. Remo For large si material (e.g. recovery or clothing production) | pills (e.g., < 1 gallon (3.8 L)) wear appropriate per pentilation (open doors and windows) and secure all paterial and place into appropriate closed container(s) and federal regulations. Wash all affected areas an over any contaminated clothing and wash thoroughly boills (e.g., ≥ 1 gallon (3.8 L)), deny entry to all unpropensional and solid diking material to separate cormptly and wash affected skin areas with soap and was open bodies of water. | ersonal protectivill sources of ignormal protection of contraction | re equipmen nition. Rem Dispose of protainer with parties. Dike a panup. Transper disposal | t (e.g., gogglestove spilled material m | s, gloves). Aterial with dance with water and I with inert atainers for ataminated |



Page 3 of 6

POC-9002

Prepared to OSHA, ACC, ANSI, WHSR, WHMIS, GHS & EU Standards SDS Revision Date: 12/14/2019 SDS Revision: 1.1 7. HANDLING & STORAGE INFORMATION 7 1 Work & Hygiene Practices: Avoid prolonged contact with the product. Avoid breathing vapors of this product. Use in a well-ventilated location (e.g., local exhaust ventilation, fans). After use, wash hands and exposed skin with soap and water. Do not eat, drink or smoke while handling product. 72 Storage & Handling: Keep this material away from heat, sparks and open flame. Pressurized container: Do not pierce or burn, even after use. Store containers in a cool, dry location, away from direct sunlight, other light sources, or sources of intense heat. Storage temperature: 32-120 °F (0-49 °C). Take precautionary measures against static discharge. Store away from incompatible materials (see Section 10). Special Precautions: 7.3 Do not breathe fumes/mist/vapors/spray. 8. EXPOSURE CONTROLS & PERSONAL PROTECTION Exposure Limits: ACGIH NOHSC OSHA OTHER 8.1 ppm (ma/m³) ES-STEL STEL IDLH CHEMICAL NAME(S) ES-TWA STEI PETROLEUM GASES, LIQUEFIED, 1000 NA (1000)1800 NF 1000 NA 2000 **SWEETENED** 8.2 Ventilation & Engineering When working with large quantities of product, provide adequate ventilation (e.g., local exhaust ventilation, fans), to keep exposure below the airborne exposure limits. Ensure that an eyewash station, sink or washbasin is available in case of exposure to eyes. 8.3 Respiratory Protection: No special respiratory protection is required under typical circumstances of use or handling. If necessary, use only respiratory protection authorized per U.S. OSHA's requirement in 29 CFR §1910.134, or applicable U.S. state regulations, or the appropriate standards of Canada, its provinces, E.C. member states, or 8.4 Eye Protection: 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. 8.5 Hand Protection: If anticipated that prolonged & repeated skin contact will occur during use of this product, wear latex or rubber gloves for routine industrial use. If necessary, refer to U.S. OSHA 29 CFR §1910.138, the appropriate standards of Canada, of the E.C. member states. 8.6 Body Protection: No special body protection is required under typical circumstances of use and handling. Wear appropriate protective clothing to prevent skin contact, (boots, lab coat, apron, coveralls) as needed. If necessary, refer to appropriate standards of Canada, the E.C. member states, or U.S. OSHA. 9. PHYSICAL & CHEMICAL PROPERTIES 9.1 Aerosol. Colorless to dark yellow liquid. Appearance: 9.2 Odor: Solvent-like odor. 93 Odor Threshold: NA 9.4 pH: NA 9.5 Melting Point/Freezing Point: NA Initial Boiling Point/Boiling 9.6 150 °C (302 °F) Range: 38 °C (100.4 °F), liquid 9.7 Flashpoint Upper/Lower Flammability 9.8 NA Limits: 9.9 Vapor Pressure: NA 9.10 Vapor Density: NA Relative Density: 9.11 0.806 Solubility: 9.12 Immiscible Partition Coefficient (log Pow): 9 13 NA 9 14 Autoignition Temperature: NA 9 15 Decomposition Temperature: NA 9 16 Viscosity: < 10 cPs 9 17 Other Information: VOC: 85% 10. STABILITY & REACTIVITY 10 1 Stability Extremely flammable aerosol. Contains gas under pressure; may explode if heated. Extreme risk of explosion by shock, friction, fire or other sources of ignition; however, relatively stable under ambient conditions when stored properly. Hazardous Decomposition 10.2 If exposed to extremely high temperatures, products of thermal decomposition may include irritating vapors and toxic Products gases (e.g., oxides of carbon & nitrogen). Hazardous Polymerization: 10.3 Will not occur. 104 Conditions to Avoid: Exposure to, or contact with, extreme temperatures, incompatible chemicals, direct sunlight, strong light sources, sparks, flame. Incompatible Substances: 10.5 Strong oxidizers, peroxides or strong acids or alkalis



Page 4 of 6 POC-9002

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

| | | 11. TOXICOLOGICAL INFORMATION | | | | | | |
|-------|-----------------------------------|--|--|--|--|--|--|--|
| 11.1 | Routes of Entry: | | Ingestion: YES | | | | | |
| 11.2 | Toxicity Data: | This product has NOT been tested on animals to obtain toxicology data. Toxicology data, for | | | | | | |
| | | available for some of the components of the product and is presented below. | and in colonial increases, lo | | | | | |
| | | Solvent Naphtha (Petroleum), Light Aromatic – LD ₅₀ (oral, rat): 2,900 mg/kg; | | | | | | |
| | | Solvent Naphtha (Petroleum) Medium Aliphatic – LD ₅₀ (oral, rat): 28,710 mg/kg; LD ₅₀ (dermal, rabbit) > 5,000 mg/kg | | | | | | |
| | | LC ₅₀ (inh, rat, 4h) 15,000 ppm; | | | | | | |
| | | Sodium Sulfate Alkyl Ether – LD ₅₀ (oral, rat): > 2,000 mg/kg; | | | | | | |
| 11.3 | Acute Toxicity: | Petroleum Gases, Liquefied, Sweetened - LC ₅₀ (inh, rat, 4h) 658 mg/L. May be fatal if swallowed and enters airways. May be harmful if swallowed and enters airw | Ma | | | | | |
| 11.5 | Addic Toxicity. | irritation. Irritation of the nasal mucous membranes and respiratory tract. May cause modera | | | | | | |
| 11.4 | Chronic Toxicity: | May cause damage to organs through prolonged or repeated exposure. | to eye and okin intation. | | | | | |
| 11.5 | Suspected Carcinogen: | NA | | | | | | |
| 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: | Suspected of damaging fertility or the unborn child. | | | | | | |
| 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: | The mixture consists largely of C ₅ -C ₆ hydrocarbons (principally n-pentane and isohexar | e), which have estimated | | | | | |
| | · | Henry's Law constants of 1.29 and 1.71 atm-cu m/mole, respectively. Based on these I | | | | | | |
| | | volatilization half-life from a model river (1 m deep, flowing 1 m/sec, wind velocity of 3 m/sec | | | | | | |
| | | The volatilization half-life from a model lake (1 m deep, flowing 0.05 m/sec, wind velocity of | | | | | | |
| | | 4 days. Naphtha's representative Henry's Law constants indicate that volatilization from moi | | | | | | |
| | | The potential for volatilization of naphtha from dry soil surfaces may exist based upon a vapor 514 mm Hg at 25 deg C. | or pressure range of 211 to | | | | | |
| 12.2 | Effects on Plants & Animals: | There are no specific data available for this product. An environmental fate analysis has r | not been conducted on this | | | | | |
| | Zinosto on Filanto a 7 tiliniaio. | specific product. | iot been conducted on this | | | | | |
| 12.3 | Effects on Aquatic Life: | There are no specific data available for this product. An environmental fate analysis has r | not been conducted on this | | | | | |
| | | specific product. | | | | | | |
| | | 40 DIODOGAL GONGIDEDATIONS | | | | | | |
| | | 13. DISPOSAL CONSIDERATIONS | | | | | | |
| 13.1 | Waste Disposal: | Review current local, state and federal laws, codes, statutes and regulations to determine the codes, statutes and regulations are codes, statutes and regulations and regulations are codes, statutes and regulations are codes, statutes and regulations are codes, statutes and regulations are codes, and the codes are codes are codes. | | | | | | |
| | | appropriate disposal method for the ingredients listed in Section 3. Dispose of in accordance | | | | | | |
| | | and federal laws and regulations. Disposal of hazardous waste must be through by a lice disposal facility (TSDF). | nsed treatment, storage or | | | | | |
| 13.2 | Special Considerations: | | contact the federal state or | | | | | |
| 10.2 | opeoidi considerations. | Aerosols may be managed as Universal Waste in some states (e.g., CA, CO, MN, etc.). Opposition of provincial environmental authority to determine suitability for recycling and or proper disposal | | | | | | |
| | | U.S. EPA RCRA Characteristic Waste (Ignitable): D001 | roquiromonto. | | | | | |
| | L | (3) | | | | | | |
| | | 14. TRANSPORTATION INFORMATION | | | | | | |
| | | proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. At I/CAO, IMDG and the CTDGR. | dditional descriptive information | | | | | |
| 14.1 | 49 CFR (GND): | UN1950, AEROSOLS, 2.1 (LTD QTY, IP VOL ≤ 1.0 L); or | | | | | | |
| | | CONSUMER COMMODITY, ORM-D (IP VOL ≤ 1.0 L) – until 12/31/20 | 2 | | | | | |
| 14.2 | IATA (AIR): | UN1950, AEROSOLS, FLAMMABLE, 2.1 (LTD QTY, IP VOL ≤ 500 mL); or | | | | | | |
| | | ID8000, CONSUMER COMMODITY, 9 (IP VOL ≤ 500 mL) | or or | | | | | |
| 14.3 | IMDG (OCN): | UN1950, AEROSOLS, 2.1 (LTD QTY, IP VOL ≤ 1.0 L) | | | | | | |
| | | 0111000, 71211000125, 2.11 (2115 Q111, 11 102 = 1.0 2) | | | | | | |
| 14.4 | TDGR (Canadian GND): | UN1950, AEROSOLS, 2.1 (LTD QTY, IP VOL ≤ 1.0 L) | | | | | | |
| 14.5 | ADR/RID (EU): | · · · · · · · · · · · · · · · · · · · | | | | | | |
| 1-7.0 | , STATAB (EO). | UN1950, AEROSOLS, 2.1 (LTD QTY, IP VOL ≤ 1.0 L); Transport Cat: 2; Tunnel Code: (D) | 2 | | | | | |
| | SCT (MEXICO): | UNICOS AFROCOLFO OA (OANT LTDA IDVOL 44 OL) | | | | | | |
| 14.6 | | UN1950, AEROSOLES, 2.1 (CANT. LTDA., IP VOL ≤ 1.0 L) | (T.100111 COS) | | | | | |
| 14.6 | , , | 0.11.000, 7.2.1.000, 2.1. (0.11.11.2.11, 11.10.2.11) | <u> </u> | | | | | |
| 14.6 | ADGR (AUS): | UN1950, AEROSOLS, 2.1 (LTD QTY, IP VOL ≤ 1.0 L) | | | | | | |



Page 5 of 6 POC-9002

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

| | | 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 NA | | | | |
| 15.5 | Other Federal Requirements: | NA NA | | | | |
| 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 B5, D2B (Flammable Aerosol, 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 64742-49-0: Maybe used as a single component chemical under appropriate group standard CAS 64742-88-7: Maybe used as a single component chemical under appropriate group standard CAS 67476-85-7: Maybe used as a single component chemical under appropriate group standard NZIoC Classification: 2.1.2A, 6.9B; Aerosols (Flammable) – HSR002515 Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances) | | | | |
| 16.1 | Other Information: | 16. OTHER INFORMATION DANGER! EXTREMELY FLAMMABLE AEROSOL. PRESSURIZED CONTAINER: MAY BURST IF HEATED. MAY | | | | |
| | | BE FATAL IF SWALLOWED AND ENTERS AIRWAYS. Keep out of reach of children. Read label before use. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. If swallowed: Immediately call a poison control center, doctor/physician. Do NOT induce vomiting. Store locked up. Protect from sunlight. Store in a well-ventilated place. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. Dispose of contents/container to appropriate waste disposal facility, in accordance with local, regional, national, international regulations. 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 | | | | |



Page 6 of 6

POC-9002

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 | 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

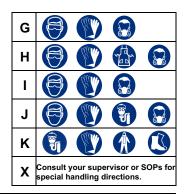
HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

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



PERSONAL PROTECTION RATINGS:

| Α | | | |
|---|--|------|--|
| В | | | |
| С | | H. | |
| D | | H. | |
| Е | | | |
| F | | Han. | |





OTHER STANDARD ABBREVIATIONS:

| Carc | Carcinogenic | | | |
|---------|---|--|--|--|
| Irrit | rritant | | | |
| NA | Not Available | | | |
| NR | No Results | | | |
| ND | Not Determined | | | |
| NE | Not Established | | | |
| NF | Not Found | | | |
| SCBA | Self-Contained Breathing Apparatus | | | |
| Sens | Sens Sensitization | | | |
| STOT RE | 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 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:

| 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 💉 | | |
| ХО | Oxidizer | SPECIAL | | |
| TREFOIL | Radioactive | PRECAUTIONS | | |

TOXICOLOGICAL INFORMATION:

| Lethal Dose (solids & liquids) which kills 50% of the exposed animals | | |
|---|--|--|
| Lethal concentration (gases) which kills 50% of the exposed animal | | |
| Concentration expressed in parts of material per million parts | | |
| TD _{Io} Lowest dose to cause a symptom | | |
| Lowest concentration to cause a symptom | | |
| Lowest dose (or concentration) to cause lethal or toxic effects | | |
| | | |
| International Agency for Research on Cancer | | |
| National Toxicology Program | | |
| Registry of Toxic Effects of Chemical Substances | | |
| Bioconcentration Factor | | |
| Median threshold limit | | |
| 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 | PSL Canadian Priority Substances List | | | | |
| TSCA | TSCA U.S. Toxic Substance Control Act | | | | |
| EU | EU European Union (European Union Directive 67/548/EEC) | | | | |
| WGK | GK Wassergefährdungsklassen (German Water Hazard Class) | | | | |

WORKPLACE HAZARDOUS MATERIALS IDENTIFICATION (WHMIS) SYSTEM:

| 0 | ® | | | Θ | ® | | |
|------------|-----------|-----------|----------|------------|------------|-----------|----------|
| 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 | | | \Leftrightarrow | | * |
|-----------|-----------|----------|-------------|-----------|-------|-----------------------|------------------|-------------|
| GHS01 | GHS02 | GHS03 | GHS04 | GHS05 | GHS06 | GHS07 | GHS08 | GHS09 |
| Explosive | Flammable | Oxidizer | Pressurized | Corrosive | Toxic | Harmful Irritating | Health Hazard | Environment |