SAFETY DATA SHEET

This Safety Data Sheet (SDS) complies with the requirements of the American National Standards Institute (Z400.1, 1998), U.S. Federal Occupational Safety and Health Administration Hazard Communication Standard (29 CFR 1910.1200), and equivalent State Standards. It has also been developed in accordance with the Canadian Workplace Hazardous Materials Standard and the United Nations Globally Harmonized System of Classification of Chemicals. Refer to Section 16 of this document for the definition of terms and abbreviations.

1. PRODUCT IDENTIFICATION

PRODUCT: **PURE POWER TOILET BOWL CLEANER**
PRODUCT CODE: V23500
PRODUCT USE: Vehicle Maintenance
USES ADVISED AGAINST: Any off-label use.

MANUFACTURER/
SUPPLIER/DISTRIBUTOR: **Valterra Products, LLC**
ADDRESS: 15230 San Fernando Mission Blvd.; Suite 107
Mission Hills, CA 91345

BUSINESS PHONE #: 818-898-1671
EMERGENCY PHONE #: CHEMTREC:1-800-255-3924; 1-703-527-3887

These products are sold to consumers in containers of relatively small volume. This SDS has been developed to address safety concerns affecting those individuals working in warehouses and other places where large numbers of these containers are stored, as well as those affecting potential users of this product in industrial /occupational or manufacturing settings.

2. HAZARD IDENTIFICATION

GHS HAZARD CLASSIFICATION: Eye Damage/Irritation (Category 1);

LABELING:

- **Pictogram:** See above.
- **Signal Word:** DANGER!
- **Hazard Statement**: H318: Causes serious eye damage.
- **Precautionary Statements:**
  - PREVENTION: P264: Wash all exposed skin thoroughly after handling. P280: Wear gloves and eye protection.
  - RESPONSE: P305 + P351 + P338: P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310: Immediately call a POISON CENTER or doctor/physician.
  - DISPOSAL: P501: Dispose of in accordance with local/regional regulations.

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM (HMIS)

Health	**2**
Flammability	**0**
Physical Hazard	**0**
Protective Equipment	**B**

HMIS Personal Protective Equipment Rating: Occupational Use situations: B - Safety glasses and gloves

2. HAZARD IDENTIFICATION (Continued)

HAZARDOUS NOT OTHERWISE CLASSIFIED:

- **Aquatic Toxicity Classification**: Based on concentration and available toxicity data, this product is classified as Aquatic Toxicity – Acute (Category 3); Aquatic Toxicity – Chronic (Category 3), H412: Harmful to aquatic life with long lasting effects. P273: Avoid release into the environment. P501: Dispose of according to local regulations.

3. COMPOSITION AND INFORMATION ON INGREDIENTS

COMPONENT	CAS NUMBER	GHS HAZARD CLASSIFICATION	W/W%
Nonylphenol Polyethylene Glycol Ether	127087-87-0	Acute toxicity, Oral (Category 4); Serious eye damage (Category 1); Acute aquatic toxicity (Category 2); Chronic aquatic toxicity (Category 2)	≤10
Citric Acid	77-92-9	Eye irritation (Category 2A)	≤10
None of the other constituents of this product contribute health or physical hazard at the concentrations present in the mixture.			Balance

4. FIRST AID MEASURES

FIRST AID:

- **Eyes:** Hold contaminated eyes open and flush with copious amounts of water for 15 minutes. “Roll” eyes during flush. Seek medical attention promptly.
- **Skin:** Flush area with warm, running water. Continue rinsing with water for at least 15 minutes, if any evidence of redness or irritation occurs. Seek medical attention if skin irritation persists.
- **Inhalation:** Obtain fresh air. If necessary, blow nose.
- **Ingestion:** If it is accidentally ingested, rinse mouth. Contact professional medical personnel or the local poison control center for additional guidance.

ACUTE HEALTH EFFECTS:

- **Eyes:** Causes serious eye damage. Prolonged contact can cause chemical burns.
- **Skin:** May cause skin irritation upon prolonged contact.
- **Inhalation:** May cause irritation of membranes of nose, mouth, throat if vapors, mists, or sprays are inhaled.
- **Ingestion:** In the event this product is swallowed, irritation of the nose, throat, and digestive tract can occur. Ingestion may cause nausea, vomiting, and diarrhea.

CHRONIC HEALTH EFFECTS: None reported.

TARGET ORGANS: Eyes.

RECOMMENDATIONS TO PHYSICIANS: Treat symptoms and eliminate overexposure.

MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE: Conditions affecting the target organs can be aggravated by overexposure to the product.

5. FIRE-FIGHTING MEASURES

NFPA FLAMMABILITY CLASSIFICATION: Not flammable. See symbol to right.

RECOMMENDED FIRE EXTINGUISHING MEDIA: Water Spray, Water Jet, Dry Powder, Foam, Carbon Dioxide, or any other.

UNSUITABLE FIRE EXTINGUISHING MEDIA: None known.

UNUSUAL HAZARDS IN FIRE SITUATIONS: When involved in a fire, this material may produce very irritating vapors and toxic gases (e.g., carbon monoxide, carbon dioxide).

RECOMMENDATIONS TO FIREFIGHTERS: Wear Self Contained Breathing Apparatus and full protective equipment for fire response. Move containers from fire area if it can be done without risk to personnel. Contaminated equipment should be rinsed thoroughly with water before returning to service.

6. ACCIDENTAL RELEASE MEASURES

RESPONSE TO INCIDENTAL RELEASES: Wear gloves and safety glasses when cleaning-up spills.

RESPONSE TO NON-INCIDENTAL RELEASES: As needed, respond to non-incidental chemical releases of this product (such as the simultaneous destruction of several pallets of product) by evacuating the impacted area and contacting appropriate emergency personnel.

- **Specific Procedures:** In the unlikely event of a multi-container release of the product**,** with no other hazardous condition in the area, the use of an air-purifying respirator with high efficiency particulate air filter, face-shield, safety glasses, and double gloves (e.g. nitrile over latex gloves), and body protection is recommended if mists/sprays could be generated during clean-up.

RESPONSE PROCEDURES FOR ANY RELEASE: Use a damp sponge/polypad to carefully cleanse the contaminated area or items. f appropriate, further clean the contaminated area and equipment with a soap and water solution, followed by a water rinse.

SPILL RESPONSE EQUIPMENT: Polypad or other absorbent material, if needed.

ENVIRONMENTAL PRECAUTIONS: Avoid response actions that can cause a release of a significant amount of the substance into the environment.

REFERENCES TO OTHER SECTIONS:

- See Section 8 (Exposure Controls/Personal Protection) for personal protective equipment recommendations.
- See Section 13 (Disposal Recommendations) for information on waste disposal.

7. HANDLING AND STORAGE

HYGIENE PRACTICES: Keep out of reach of children. Do not smoke, drink, eat, or apply cosmetics in the chemical use area. Avoid inhalation of aerosols, mists, or sprays. Use in well-ventilated area. Avoid contact with skin or eyes. Remove contaminated clothing promptly. Clean up any spilled product immediately.

HANDLING RECOMMENDATIONS: Avoid skin contact when handling.

INCOMPATIBILITIES: See Section 10 (Stability and Reactivity).

STORAGE RECOMMENDATIONS: Ensure all containers are correctly labeled. Store container in cool, dry place away from direct sunlight, sources of intense heat, or where freezing is possible. Store this product away from incompatible chemicals (See Section 10, Stability and Reactivity).

PROTECTIVE PRACTICES DURING MAINTENANCE OF CONTAMINATED EQUIPMENT: Follow practices indicated in Section 6 (Accidental Release Measures).

SPECIFIC END USES: Vehicle cleaning and maintenance.

8. EXPOSURE CONTROL AND PERSONAL PROTECTION

U.S. NATIONAL EXPOSURE LIMITS: There are no airborne occupational exposure limits that have been established for components of this product listed in Section 3.

BIOLOGICAL OCCUPATIONAL EXPOSURE LIMITS: Not established.

ENGINEERING CONTROLS: Use this product in well-ventilated environment.

RESPIRATORY PROTECTION: None needed under routine circumstances of use.

HAND PROTECTION: Rubber, latex, or neoprene gloves should be used when prolonged contact is anticipated.

EYE PROTECTION: Splash goggles or safety glasses with side shield are recommended if aerosols, mists, splashes or sprays will be generated during use.

BODY PROTECTION: None needed under typical situations of use or handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid
COLOR: Light orange
ODOR: Citrus
pH: Not determined
BOILING POINT: >100 °C (212 °F)
MELTING POINT: Not determined.
REFRACTIVE INDEX: Not determined.
AUTOIGNITION TEMPERATURE: Not applicable.
VAPOR PRESSURE: Not determined.
VAPOR DENSITY (air = 1): Not determined.
RELATIVE DENSITY (water = 1): Not determined
EVAPORATION RATE (water = 1): Not determined.
COEFFICIENT OIL/WATER DISTRIBUTION (PARTITION COEFFICENT): Not established.

9. PHYSICAL AND CHEMICAL PROPERTIES (Continued)

VISCOCITY: Not determined.
FLASH POINT: Not applicable.
LOWER EXPLOSIVE LIMIT (LEL): Not applicable.
UPPER EXPLOSIVE LIMIT (UEL): Not applicable.
SOLUBILITY: Soluble in water.
EXPLOSIVE PROPERTIES: Not applicable.
OXIDIZING PROPERTIES: Not applicable.
VOLATILE ORGANIC COMPOUNDS: <50 g/L

10. STABILITY AND REACTIVITY

RELATIVE STABILITY (AT STANDARD TEMPERATURES AND PRESSURES): Normally stable.

INCOMPATIBILITIES: Strong acids and strong oxidizers.

HAZARDOUS POLYMERIZATION: Will not occur.

HAZARDOUS CHEMICAL DECOMPOSITION PRODUCTS: Products of thermal decomposition include very irritating vapors and toxic gases (e.g., carbon monoxide and carbon dioxide).

CONDITIONS TO AVOID: Avoid contact with incompatible chemicals.

11. TOXICOLOGY INFORMATION

ACUTE TOXICITY:

- **PRODUCT ACUTE TOXICITY ESTIMATES:**
  ATE (Oral) > 2000 mg/kg
  ATE (Dermal) >2000 mg/kg
- **COMPONENT TOXICOLOGY DATA:** The following data are available for components of this product.

NONYLPHENOL ETHOXYLATE
LD50 (Oral, Rat) = 960 - 3,980mg/kg
LD50 (Dermal, Rabbit) = 2,000 - 2,991 mg/kg
LC50 (Inhalation, Rat) = 4 h - 1.15 mg/L

CITRIC ACID
LD50 (Oral, Rat) = 5,400 mg/kg
LD50 (Dermal, Rabbit) - > 2,000 mg/kg

- **DEGREE OF IRRITATION:** Contact with this product can cause irritation to skin and serious eye damage. See Section 4 (First Aid Measures) for more details.
- **SENSITIZATION:** The components of this product are not reported to have skin or respiratory sensitization effects.
- **REVIEW OF ACUTE SYMPTOMS AND EFFECTS BY ROUTE OF EXPOSURE:** See Section 2 (Hazards Information) and Section 4 (First Aid Measures) for additional details.

Eyes	Causes serious eye damage.
Skin	May cause skin irritation upon prolonged contact.
Inhalation	May cause irritation of membranes of nose, mouth, throat if mists, aerosols, or sprays are inhaled.
Ingestion	May cause irritation of the mouth, throat, and tissues of the digestive system.

CHRONIC TOXICITY:

- **CARCINOGENICITY STATUS:** The following table summarizes the carcinogenicity listing for the components of this product. “NO” indicates that the substance is not considered to be, or suspected to be, a carcinogen by the listed agency.

CHEMICAL	IARC	NTP	NIOSH	OSHA	OTHER
Nonylphenol Polyethylene Glycol Ether	NO	NO	NO	NO	NO
Citric Acid	NO	NO	NO	NO	NO

- **REPRODUCTIVE TOXICITY INFORMATION:** This product is not known to cause any adverse effect on the human reproductive system.
- **TOXICOLOGY DATA:** No data are available for components of this product present in greater than 1 percent concentration.
- **TOXICOLOGICALLY SYNERGISTIC PRODUCTS:** None known.
- **MUTAGENIC EFFECTS:** Not applicable.
- **SPECIFIC TARGET ORGAN TOXICITY – SINGLE EXPOSURE:** Not applicable.
- **SPECIFIC TARGET ORGAN TOXICITY – REPEATED EXPOSURE:** Not applicable.
- **ASPIRATION HAZARD:** Not applicable.

12. ECOLOGICAL INFORMATION

TOXICITY TO TERRESTRIAL LIFE: Based on available data, this product is be harmful to contaminated plants or animals. Prudent practice would be to minimize all releases to the environment.

TOXICITY TO AQUATIC LIFE: Aquatic Toxicity – Acute (Category 3), Chronic Toxicity – Acute (Category 3). Minimize all releases to the environment.

COMPONENT AQUATIC TOXICITY DATA: The following data are available for components of this product.

NONYLPHENOL ETHOXYLATE
LC50 (Pimephales promelas): 3.8 - 6.2 mg/l - 96 hours
LC50 (Daphnia magna): 9.3 - 21.4 mg/l - 48 hours
LC50 - Bacteria: > 1,000 mg/l - 16 hours

CITRIC ACID
LC50 fish 1 2600 mg/l (48 hours; Leuciscus idus; pH = 7)
EC50 Daphnia 1 120 mg/l (72 hours; Daphnia magna; pH < 7)
LC50 fish 2 1516 mg/l (96 hours; Lepomis macrochirus)
EC50 Daphnia 2 85 mg/l (Daphnia magna)
Threshold limit algae 1 80 mg/l (192 hours; Microcystis aeruginosa; Reproduction)
Threshold limit algae 2 640 mg/l (168 hours; Scenedesmus quadricauda)

MOBILITY, PERSISTENCE, AND DEGRADABILITY: This product is anticipated to be mobile in soil. It is not anticipated to persist in the environment. Good hygiene practices should be implemented to prevent all accidental releases to the environment.

BIOACCUMULATION AND BIOCONCENTRATION POTENTIAL: It is not anticipated that this product will bioaccumulate or bioconcentrate significantly in the environment.

13. DISPOSAL CONSIDERATIONS

WASTE HANDLING RECOMMENDATIONS: Prepare, transport, treat, store, and dispose of waste product according to all applicable local, U.S. State and U.S. Federal regulations, and the applicable Canadian standards.

EPA RCRA WASTE CODE: Not applicable.

14. TRANSPORT INFORMATION

DEPARTMENT OF TRANSPORTATION HAZARDOUS MATERIALS SHIPPING REGULATIONS:

PROPER SHIPPING NAME: Not hazardous, per US DOT regulations.
HAZARD CLASSIFICATION: Not applicable.
UN/NA IDENTIFICATION NUMBER: Not applicable.
PACKING GROUP: Not applicable.

OTHER PERTINENT TRANSPORTATION REGULATIONS:

MARINE POLLUTANT STATUS: Marine Pollutant marking is not required on non-bulk packagings of less than or equal to 5 L or 5 Kg (172.322(d).

CANADIAN TRANSPORTATION INFORMATION: This product is NOT regulated by Transport Canada as dangerous goods under Canadian transportation standards.

IATA DESIGNATION: This product is NOT regulated as dangerous goods by the International Air Transport Association.

IMO DESIGNATION: This product is NOT regulated as dangerous goods by the International Maritime Organization.

15. REGULATORY INFORMATION

OTHER IMPORTANT U.S. REGULATIONS

CERCLA REPORTING REQUIREMENTS: Not applicable.

SARA REPORTING REQUIREMENTS: The following reporting requirements are applicable to the components of this product:

CHEMICAL	SECTION 302 (40 CFR 355 Appendix A)	SECTION 304 (40 CFR Table 302.4)	SECTION 313 (40 CFR 372.65)
Nonylphenol Polyethylene Glycol Ether	NO	NO	NO
Citric Acid	NO	NO	NO

SARA SECTION 311/312 FOR PRODUCT: Eye Damage/Irritation

15. REGULATORY INFORMATION (Continued)

TSCA INVENTORY STATUS: All components of this product are listed on the TSCA Inventory.
CALIFORNIA SAFE DRINKING WATER ACT (PROPOSITION 65) STATUS: No component of this product is known to the State of California to cause cancer or other reproductive harm.

INTERNATIONAL REGULATIONS

CANADIAN DSL/NDSL INVENTORY STATUS: The components of this product are listed on the DSL/NDSL Inventory.

CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA) PRIORITY SUBSTANCES LISTS: The components of this product are not on the CEPA Priorities Substances Lists.

CANADIAN WHMIS CLASSIFICATION: See section 2.

16. OTHER INFORMATION

DATE/ SDS PREPARATION: November 20, 2019

DATE/ SDS REVISION: October 22, 2019

CHANGE INDICATED: Reformatting of information; review and update of regulatory information.

DEFINITION OF TERMS AND ABBREVIATIONS:

- **ALL SECTIONS:** OSHA: U.S. Federal Occupational Safety and Health Administration. WHMIS: Canadian Workplace Hazardous Materials Standard. GHS: Globally Harmonized System of Classification of Chemical Substances.
- **SECTION 2:** HAZARDOUS MATERIALS IDENTIFICATION SYSTEM RATING: This is a rating system used by industry to summarize physical and health hazards to chemical users and was originally developed by the National Paint and Coating Association. 0 = No Significant Hazard. 1 = Slight Hazard. 2 = Moderate Hazard. 3 = Severe Hazard. 4 = Extreme Hazard.
- **SECTION 3:** CAS Number: Chemical Abstract Service Number, which is used by the American Chemical Society to uniquely identify a chemical.
- **SECTION 5:** NFPA: National Fire Protection Association. NFPA FLAMMABILITY CLASSIFICATION: The NFPA uses the flash point (Fl.P.) and boiling point (BP) to classify flammable or combustible liquids. Class IA: Fl.P. below 73°F and BP below 100°F. Class IB: Fl.P. below 73°F and BP at or above 100°F. Class IC: Fl.P. at or above 73°F and BP at or above 100°F. Class II: Fl.P. at or above 100°F and below 140°F. Class IIIA: Fl.P. at or above 140°F and below 200°F. Class IIIB: Fl.P. at or above 200°F. NFPA HAZARDOUS MATERIALS RATING: This is a rating system used to summarize physical and health hazards to firefighters. 0 = No Significant Hazard. 1 = Slight Hazard. 2 = Moderate Hazard. 3 = Severe Hazard. 4 = Extreme Hazard
- **SECTION 8:** NE: Not established. ACGIH: American Conference of Government Industrial Hygienists; TWA: Time-Weighted Average (over an 8-hour work day); STEL: Short-Term Exposure Limit (15-minute average, no more than 4-times daily and each exposure separated by one-hour minimally); C: Ceiling Limit (concentration not to be exceeded in a work environment). PEL: Permissible Exposure Limit. NIOSH: National Institute of Occupational Safety and Health; REL: Recommended Exposure Limit; IDLH: Immediately Dangerous to Life and Health Concentrations. *Note*: In July 1992, a court ruling vacated the more protective PELs set by OSHA in 1989. Because OSHA may enforce the more protective levels under the "general duty clause", both the current and vacated levels are presented in this document. ppm: Parts per Million. mg/m^3: Milligrams per cubic meter. mppcf: Millions of Particles per Cubic Foot. BEI: Biological Exposure Limit.
- **SECTION 9:** pH: Scale (0 to 14) used to rate the acidity or alkalinity of aqueous solutions. For example, a pH value of 0 indicates a strongly acidic solution, pH of 7 indicates a neutral solution, and a pH value of 14 indicates an extremely basic solution. FLASH POINT: Temperature at which a liquid generates enough flammable vapors so that ignition may occur. AUTOIGNITION TEMPERATURE: Temperature at which spontaneous ignition occurs. LOWER EXPLOSIVE LIMIT (LEL): The minimal concentration of flammable vapors in air which will sustain ignition. UPPER EXPLOSIVE LIMIT (UEL): The maximum concentration of flammable vapors in air which will sustain ignition.
- **SECTION 11:** CARCINOGENICITY STATUS: NTP: National Toxicology Program. IARC: International Agency for Research on Cancer. REPRODUCTIVE TOXICITY INFORMATION: Mutagen: Substance capable of causing chromosomal damage to cells. Embryotoxin: Substance capable of damaging the developing embryo in an overexposed female. Teratogen: Substance capable of damaging the developing fetus in an overexposed female. Reproductive toxin: Substance capable of adversely affecting male or female reproductive organs or functions. TOXICOLOGY DATA: LD*xx* or LC*xx*: The Lethal Dose or Lethal Concentration of a substance which will be fatal to a given percentage (*xx*) of exposed test animals by the designate route of administration. This value is used to assess the toxicity of chemical substances to humans. TD*xx* or TC*xx*: The Toxic Dose or Toxic Concentration of a substance which will cause an adverse effect to a given percentage (*xx*) of exposed test animals by the designate route of administration.
- **SECTION 13:** RCRA: Resource Conservation and Recovery Act. The regulations promulgated under this act under Act are found in 40 CFR, Sections 260 ff, and define the requirements of hazardous waste generation, transport, treatment, storage, and disposal. EPA RCRA Waste Codes: Defined in 40 CFR Section 261.
- **SECTION 15:** CERCLA: Comprehensive Environmental Response Compensation and Liability Act (a.k.a. "Superfund") and SARA: (Superfund Amendment and Reauthorization Act). TSCA: Toxic Substances Control Act. The regulations promulgated under this Act are located under 40 CFR 300 ff. and provide "community right-to-know" requirements. DSL/NDSL: Canadian Domestic Substances and Non-Domestic Substances Lists.