

# 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:** DISINFECTANT WASHDOWN  
**PRODUCT CODE:** 1083  
**PRODUCT USE:** Toilet 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:** Acute toxicity – Oral (Category 4); Skin corrosion (Category 1B); Eye damage (Category 1); Reproductive toxicity (Category 2); Specific target organ toxicity — Single exposure (Category 2, reproductive system)



### LABELING:

- **Pictogram:** See above.
- **Signal Word:** DANGER!
- **Hazard Statement:** H302: Harmful if swallowed. H314: Causes severe skin burns and eye damage. H318: Causes serious eye damage. H361: Suspected of damaging fertility or the unborn child. H371: May cause damage to organs (reproductive system).
- **Precautionary Statements:**
  - PREVENTION: P264: P201: Obtain special instructions before use. P202: Do not handle until all safety precautions have been read and understood. P260: Do not breathe mist, vapors, or spray. P264: Wash hands, forearms and face thoroughly after handling. P270: Do not eat, drink or smoke when using this product. P280: Wear protective gloves/protective clothing/eye protection/face protection.
  - RESPONSE: P301+P312: If swallowed: Call a poison center/doctor if you feel unwell. P301+P330+P331: If swallowed: rinse mouth. Do NOT induce vomiting. P303+P361+P353: If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. P304+P340: If inhaled: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P308+P313: If exposed or concerned: Get medical advice/attention. P310: Immediately call a poison center//doctor. P363: Wash contaminated clothing before reuse.
  - STORAGE: P405: Store locked up.
  - DISPOSAL: P501: Dispose of in accordance with local/regional regulations.

## 2. HAZARD IDENTIFICATION (Continued)

### HAZARDOUS MATERIALS IDENTIFICATION SYSTEM (HMIS)

Health	3*	* Specific Target Organ Toxicity; Reproductive Toxicity
Flammability	0	
Physical Hazard	0	
Protective Equipment	B	HMIS Personal Protective Equipment Rating: Occupational Use situations: B - Safety glasses and gloves

### HAZARDOUS NOT OTHERWISE CLASSIFIED:

- Not applicable.

## 3. COMPOSITION AND INFORMATION ON INGREDIENTS

COMPONENT	CAS NUMBER	GHS HAZARD CLASSIFICATION	W/W%
Perfume Blend	Mixture	Acute toxicity – Oral (Category 4); Skin corrosion/irritation (Category 1B); Eye Damage (Category 1); Reproductive toxicity (Category 2); Specific target organ toxicity — Single exposure (Category 2)	5.2%
Quat	68424-85-1		5.2%
None other constituent contributes 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 immediately.
- **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 immediately.
- **Inhalation:** Obtain fresh air. If necessary, blow nose. Seek medical attention immediately.
- **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.
- **Skin:** Causes.
- **Inhalation:** Causes irritation and potential damage of membranes of nose, mouth, throat if vapors, mists, or sprays are inhaled.
- **Ingestion:** In the event this product is swallowed, irritation of and potential damage to the nose, throat, and digestive tract can occur.

**CHRONIC HEALTH EFFECTS:** Suspected of damaging fertility or the unborn child. May cause damage to organs (reproductive system).

**TARGET ORGANS:** Skin, eyes, reproductive system.

**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 oxides, chlorine and nitrogen compounds).

**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-incident 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. If 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:** None established for the components of this product.

**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:** Off white.

**ODOR:** Sweet smelling.

**ODOR THRESHOLD:** Not determined.

**pH:** Approximately 7.0

**BOILING POINT:** 100 °C (212 °F)

**MELTING POINT:** Not determined.

**REFRACTIVE INDEX:** Not determined.

**FLASH POINT:** >93°C (200 °F).

**LOWER EXPLOSIVE LIMIT (LEL):** Not applicable.

**UPPER EXPLOSIVE LIMIT (UEL):** Not applicable.

**AUTOIGNITION TEMPERATURE:** Not applicable.

**VAPOR PRESSURE:** Not determined.

**VAPOR DENSITY (air = 1):** Not determined.

**RELATIVE DENSITY (water = 1):** 1.02 (8.50 lb./gal)

**EVAPORATION RATE (water = 1):** Not determined.

**COEFFICIENT OIL/WATER DISTRIBUTION (PARTITION COEFFICIENT):** Not established.

**VISCOCITY:** Not determined.

**SOLUBILITY:** Soluble in water.

**EXPLOSIVE PROPERTIES:** Not applicable.

**OXIDIZING PROPERTIES:** Not applicable.

**VOLATILE ORGANIC COMPOUNDS:** Not determined.

## 10. STABILITY AND REACTIVITY

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

**INCOMPATIBILITIES:** Strong oxidizing agents, reducing agents, strong acids, strong bases, aluminum, soft metals, water reactive materials.

**HAZARDOUS POLYMERIZATION:** Will not occur.

**HAZARDOUS CHEMICAL DECOMPOSITION PRODUCTS:** Products of thermal decomposition include very irritating vapors and toxic gases (e.g., carbon oxides; compounds of chlorine and nitrogen).

**CONDITIONS TO AVOID:** Avoid contact with incompatible chemicals and adverse storage conditions.

## 11. TOXICOLOGY INFORMATION

### ACUTE TOXICITY:

- **PRODUCT ACUTE TOXICITY ESTIMATES:**

ATE (Oral): 500 mg/kg

ATE (Dermal) >2000 mg/kg

- **COMPONENT TOXICOLOGY DATA:** The following data are available for components of this product.

**QUAT**

LD50 (Oral, Rat) = 450 mg/kg

LD50 (Dermal, Rat) = 3560 mg/kg

- **DEGREE OF IRRITATION:** Contact with this product can cause skin corrosion 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**

Causes skin corrosion.

**Inhalation**

Causes irritation of and potential damage to the membranes of nose, mouth, throat if mists, aerosols, or sprays are inhaled.

**Ingestion**

Causes irritation of and potential damage to the mouth, throat, and tissues of the digestive system.

### CHRONIC TOXICITY:

- **CARCINOGENICITY STATUS:** No component is listed as a carcinogen by NTP, IARC or OSHA
- **REPRODUCTIVE TOXICITY INFORMATION:** Suspected of damaging fertility or the unborn child. May cause damage to organs (reproductive system).
- **TOXICOLOGICALLY SYNERGISTIC PRODUCTS:** None known.
- **MUTAGENIC EFFECTS:** Suspected of damaging fertility or the unborn child.
- **SPECIFIC TARGET ORGAN TOXICITY – SINGLE EXPOSURE:** Not applicable.
- **SPECIFIC TARGET ORGAN TOXICITY – REPEATED EXPOSURE:** May cause damage to organs (reproductive system).
- **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.

**AQUATIC TOXICITY ESTIMATE FOR PRODUCT:** 65 mg/L

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

**QUAT**

LC50 (Morone saxatilis): fry, 14100. µg/L/96 hours

**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:** CORROSIVE LIQUID, N.O.S. (quaternary ammonium compound)

**HAZARD CLASSIFICATION:** 8

**UN/NA IDENTIFICATION NUMBER:** UN 1760

**PACKING GROUP:** III

### OTHER PERTINENT TRANSPORTATION REGULATIONS:

**LIMITED QUANTITY:** Evaluate to determine if package is eligible for Limited Quantity exceptions.

**MARINE POLLUTANT STATUS:** Not applicable.

**CANADIAN TRANSPORTATION INFORMATION:** This product is regulated by Transport Canada as dangerous goods under Canadian transportation standards.

**IATA DESIGNATION:** This product is regulated as dangerous goods by the International Air Transport Association.

**IMO DESIGNATION:** This product is 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:** Not applicable.

**SARA SECTION 311/312 FOR PRODUCT:** Acute toxicity; Skin corrosion/irritation; Eye damage/irritation; Specific target organ toxicity.

**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/NDL INVENTORY STATUS:** The components of this product are listed on the DSL/NDL 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:** March 19, 2019

**DATE/ SDS REVISION:** May 27, 2020

**CHANGE INDICATED:** Review and update of regulatory information and reproductive hazard description.

### 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 (F.P.) and boiling point (BP) to classify flammable or combustible liquids. Class IA: F.P. below 73°F and BP below 100°F. Class IB: F.P. below 73°F and BP at or above 100°F. Class IC: F.P. at or above 73°F and BP at or above 100°F. Class II: F.P. at or above 100°F and below 140°F. Class IIIA: F.P. at or above 140°F and below 200°F. Class IIIB: F.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<sup>3</sup>:** 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:** LDxx or LCxx: 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. TDxx or TCxx: 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/NDL:** Canadian Domestic Substances and Non-Domestic Substances Lists.