

SAFETY DATA SHEET

Issue Date: May 21, 2019

SECTION 1: PRODUCT IDENTIFICATION

 Identity: *Value Smart Liquid Dishwashing Detergent*
 Recommended Use: Liquid dishwashing detergent for cleaning of dishware

 Supplier Address
 Value Smart Products, Inc.
 3651 Peachtree Parkway, Suite #E-317
 Suwanee, GA 30024
 USA

 Emergency Phone Number: Contact CHEMTREC (Monday – Friday, 8:30 AM to 5:00 PM EST): 1-800-262-8200
 General Questions (Monday – Friday, 8:00 AM to 6:00 PM EST): (678) 513-9798

SECTION 2: HAZARDS IDENTIFICATION

Health Hazards (Acute and Chronic)

 Ingestion: May cause transient gastrointestinal irritation.
 Eye Contact: May cause moderate irritation
 Skin Contact: Prolonged contact with concentrated material may be drying or transiently irritating to skin.
 Inhalation: May cause transient respiratory irritation.

Signs and Symptoms of Exposure

 Ingestion: May result in nausea, vomiting, and diarrhea.
 Eye Contact: May cause stinging, tearing, itching, swelling, or redness.
 Skin Contact: Prolonged contact with concentrated material may be drying or transiently irritating to skin.
 Inhalation: May cause transient respiratory irritation.

SECTION 3: COMPOSITION AND INGREDIENTS

Ingredients/Chemical Name: Water, builder, bleach, nonionic and cationic surfactants, stabilizers, fragrance

Hazardous Ingredients as defined by OSHA, 29 CFR §1910.1200.

| Common Name | Chemical Name | CAS No. | Composition Range |
|---------------------------|---|-------------|-------------------|
| EDTA | Ethylene diamine tetraacetic acid, tetrasodium salt | 194491-31-1 | 1-5% |
| Bleach | Sodium hypochlorite | 7681-52-9 | <1% |
| Ethoxylated alcohol | Proprietary | Proprietary | <1% |
| Hydroxyethyl cellulose | Hydroxyethylcellulose | 9004-62-0 | <1% |
| Quaternary amine compound | Citric acid | Proprietary | <1% |

SECTION 4: FIRST AID INFORMATION

| | |
|----------------|---|
| General Advice | If symptoms persist, call a physician. Do not breathe dust/fumes/gas/mist/vapors/spray. Do not get in eyes, on skin, or on clothing. |
| Eye Contact | Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician. |
| Skin Contact | Consult a physician if necessary. Wash off immediately with soap and plenty of water while removing all contaminated clothing and shoes. |

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| Inhalation | Move to fresh air. Consult a physician. If breathing is irregular or stopped, administer artificial respiration. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. |
| Ingestion | Rinse mouth. Drink plenty of water. Do not induce vomiting without medical advice. Call a physician or Poison Control Center immediately. |
| Notes to Physician | Treat symptomatically. |
| Protection of First-aiders | Use personal protective equipment. |

SECTION 5: FIRE FIGHTING INFORMATION

| | |
|---|--|
| | Not flammable |
| Flash Point | > 201°F / > 94°C |
| Flammability Limits in Air | |
| Upper Flammability Limit | No information available |
| Lower Flammability Limit | No information available |
| Autoignition Temperature | No information available |
| Hazardous Combustion Products | None |
| Explosive Properties | No information available |
| Explosion Limits | |
| Upper (UEL) | No information available |
| Lower (LEL) | No information available |
| Suitable Extinguishing Media | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. |
| Unsuitable Extinguishing Media | None |
| Protective Equipment and Precautions for Firefighters | As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. |
| <u>NFPA</u> Health Hazard 1 | Flammability 1 Stability 0 Physical and chemical hazards - |
| <u>HMIS</u> Health Hazard 1 | Flammability 1 Physical Hazard 0 Personal Protection - |

SECTION 6: ACCIDENTAL RELEASE MEASURES

| | |
|---------------------------|--|
| Personal Precautions | Ensure adequate ventilation |
| Environmental Precautions | Prevent direct entry into waterways, sewers, basements, or confined areas. Do not flush into surface water or sanitary sewer system. |
| Methods for Containment | Prevent further leakage or spillage if safe to do so. |
| Methods for Cleaning Up | Cover liquid spill with sand, earth, or other noncombustible absorbent material. Cover powder with plastic sheet or tarp to minimize spreading. Pick up and transfer to properly labeled containers. |
| Other information | Not applicable. |

SECTION 7: HANDLING AND STORAGE

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|---------------------------------------|---|
| Advice on Safe Handling | Avoid contact with skin, eyes, and clothing. Wear personal protective equipment. Remove and wash contaminated clothing before re-use. Do not breathe vapors or spray mist. Do not eat, drink, or smoke when using this product. |
| Technical Measures/Storage Conditions | Keep container tightly closed in a dry and well-ventilated area. Keep out of the reach of children. |

SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION

Exposure Guidelines

Respiratory Protection (Specify Type): None required with normal use.

Ventilation: *Local Exhaust:* None required with normal consumer use

Special: None

Mechanical (general): Normal/general dilution ventilation is acceptable

Other: None

Eye Protection: None required with normal consumer use

Industrial Setting: Chemical goggles or other liquid/aerosol tight eye protection should be used if splash or exposure is possible.

Protective Gloves: None required with normal consumer use.

Industrial Setting: Protective gloves (rubber, neoprene) should be used if handling of the material could result in incidental or prolonged contact.

Other Protective Equipment: None required with normal consumer use.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|-----------------------------------|---------------------------|-------------------------------------|--------------------------|
| Physical State | Liquid | Appearance | Translucent liquid |
| Color | Colorless to light yellow | Odor | Slightly ammonia-like |
| Odor Threshold | No information available | pH | No information available |
| Specific gravity | No information available | Density | No information available |
| Viscosity, kinematic | No information available | Flash Point | > 201°C / >94°C |
| Method | No information available | Auto-ignition Temperature | No information available |
| Decomposition temperature | No information available | Boiling point/ Boiling Range | No information available |
| Melting point | No information available | Freezing Point | No information available |
| Water solubility | Soluble in water | Evaporation Rate | No information available |
| Vapor pressure | No information available | Vapor Density | No information available |
| VOC Content (%) | <1% | | |
| Flammability Limits in Air | | Explosion Limits | |
| Upper Flammability Limit | No information available | Upper Explosion Limit | No information available |
| Lower Flammability Limit | No information available | Lower Explosion Limit | No information available |

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability: Stable

Conditions to Avoid: None known

Materials to Avoid: None known

Hazardous Decomposition Products: None known

Possibility of Hazardous Reactions: None known

SECTION 11: TOXICOLOGICAL INFORMATION

Value Smart Liquid Dishwashing Detergent is anticipated to have a low order of toxicity. If ingested, it is anticipated to be mildly irritating. It is expected to be mildly emetic.

LD50 (oral, estimated): > 2g/kg

ED50 (emesis, estimated): ~0.5/kg

Chronic Effects: No chronic health effects anticipated

Target Organs: No target organs anticipated

Carcinogenicity: NTP: No
IARC: No
OSHA: No

| Chemical Name | LD50 Oral | LD50 Dermal | LC50 Inhalation |
|---------------------------|--|--|---|
| EDTA | >2000 mg/kg (oral, rat) | 730 mg/kg (Rabbit) | |
| Bleach | 626 mg/kg bw (Similar to OECD 401; standard acute method; rat) | > 20000 mg/kg bw (Guideline: 16 CFR 1500.40 and similar to OECD 402; rabbit) | > 10.5 mg/L air (Similar to OECD 403; rat; 1 h) |
| Ethoxylated alcohol | >1000 mg/kg (oral, rat) | | |
| Hydroxyethyl cellulose | >20000 mg/kg (oral, rat) | | |
| Quaternary amine compound | 580 mg/kg (oral, rat) | 2000 mg/kg (Rabbit) | >0.57 mg/l |

SECTION 12: ECOLOGICAL INFORMATION

Based on ecotoxicity and environmental fate data for the individual ingredients in this product, and for related household cleaning product formulations, it is expected that these mixtures would exhibit a non-hazardous order of toxicity at relevant environmental concentrations. The environmental impact of this product has not been fully investigated:

Ecotoxicity

| Ingredient Name or Product name | Species | Period | Result |
|---------------------------------|--|------------|----------------|
| Ethoxylated alcohols | Fish (LC50) | 96 hour(s) | 1 to 10 mg/l |
| | Daphnia (EC50) | 48 hour(s) | 1 to 10 mg/l |
| | based on data for: (similar material) (EC50) | 72 hour(s) | 10 to 100 mg/l |
| Quaternary amine compound | Trout (LC50) | 96 hour(s) | 24 mg/l |
| | Algae. (EC50) | 96 hour(s) | 3.9 mg/l |
| Diluent | Oncorhynchus mykiss (LC50) | 96 hour(s) | 54000 mg/l |

Biodegradability and Ecotoxicity Remarks

Products of Degradation

Quaternary amine compound: 11% @ 28 day(s) CBT; 26% @ 112 day(s) CBT

These products are carbon oxides (CO, CO2) and water.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Method: This product in its original form, when disposed as waste, is considered non-hazardous waste according to Federal RCRA regulations (40 CFR 261). Disposal should be in accordance with all Federal, state/provincial, and local regulations.

Household Use: Consumer-produced household solutions may be disposed of down the drain with running water. Consumer may discard empty container in trash, or recycle where facilities exist.

SECTION 14: TRANSPORT INFORMATION

US DOT: This product is not regulated when transported by ground in finished product packaging.
Bulk packages (>119 gallons) are regulated as:
UN3082, Environmentally Hazardous Substances, liquid, n.o.s. (alcohol ethoxylates), 9, III, Marine Pollutant

IATA: This product is not regulated when transported by air.

IMDG: This product is not regulated when transported by vessel.

SECTION 15: REGULATORY INFORMATION

International Inventories

| | |
|-------------|----------|
| TSCA | Complies |
| DSL | Complies |

TSCA – United States Toxic Control Substances Act Section 8(b) Inventory
DSL/NDSL – Canadian Domestic Substances List/Non-Domestic Substances List

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals, which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, part 372.

SARA 311/312 Hazard Categories

| | |
|--|-----|
| Acute Health Hazard | Yes |
| Chronic Health Hazard | No |
| Fire Hazard | No |
| Sudden Release of Pressure Hazard | No |
| Reactive Hazard | No |

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pursuant to releases of this material.

U.S. State Regulations

State Regulations

Massachusetts RTK: Sodium hypochlorite; Diluent
New Jersey RTK: Sodium hypochlorite
Pennsylvania RTK: Sodium hypochlorite; Diluent: (generic environmental hazard)
Rhode Island RTK: Sodium hypochlorite

California prop. 65: No products were found.

WHMIS (Canada)

Class D-2B: Material causing other toxic effects (TOXIC).
CEPA DSL: Ethoxylated alcohol.; quaternary amine compound; Diluent.

SECTION 16: OTHER INFORMATION

Disclaimer: This MSDS has been prepared to provide a brief summary of our knowledge and guidance regarding the use of this material. The information contained herein has been compiled from readily available sources considered by Value Smart Products, Inc. to be dependable and accurate to the best of the Company's knowledge. It is not meant to be an all-inclusive document on worldwide hazard communication regulations.

Perfume contained within the product covered by this MSDS complies with appropriate IFRA guidance.

Value Smart Hazard Rating:

Health: 2

Flammability: 1

Reactivity: 0

4 = EXTREME

3 = HIGH

2 = MODERATE

1 = SLIGHT

0 = NOT SIGNIFICANT

Data supplied is for use only in connection with occupational safety and health.

This information is offered in good faith. Each user of this material needs to evaluate the conditions of use and design the appropriate protective mechanisms to prevent employee exposures, property damage, or release to the environment. Value Smart Products, Inc. assumes no responsibility for injury to the recipient or third persons, or for any damage to any property resulting from misuse of this product.

