

## 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.

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

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

<b>Physical State</b>	Liquid	<b>Appearance</b>	Translucent liquid
<b>Color</b>	Colorless to light yellow	<b>Odor</b>	Slightly ammonia-like
<b>Odor Threshold</b>	No information available	<b>pH</b>	No information available
<b>Specific gravity</b>	No information available	<b>Density</b>	No information available
<b>Viscosity, kinematic</b>	No information available	<b>Flash Point</b>	> 201°C / >94°C
<b>Method</b>	No information available	<b>Auto-ignition Temperature</b>	No information available
<b>Decomposition temperature</b>	No information available	<b>Boiling point/ Boiling Range</b>	No information available
<b>Melting point</b>	No information available	<b>Freezing Point</b>	No information available
<b>Water solubility</b>	Soluble in water	<b>Evaporation Rate</b>	No information available
<b>Vapor pressure</b>	No information available	<b>Vapor Density</b>	No information available
<b>VOC Content (%)</b>	<1%		
<b>Flammability Limits in Air</b>		<b>Explosion Limits</b>	
<b>Upper Flammability Limit</b>	No information available	<b>Upper Explosion Limit</b>	No information available
<b>Lower Flammability Limit</b>	No information available	<b>Lower Explosion Limit</b>	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, CO<sub>2</sub>) 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**

<b>TSCA</b>	Complies
<b>DSL</b>	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**

<b>Acute Health Hazard</b>	Yes
<b>Chronic Health Hazard</b>	No
<b>Fire Hazard</b>	No
<b>Sudden Release of Pressure Hazard</b>	No
<b>Reactive Hazard</b>	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.

