

SAFETY DATA SHEET

Issue Date: June 15, 2015

SECTION 1: PRODUCT IDENTIFICATION

Identity: *Value Smart Detergent Pods Gel*

Recommended Use: Laundry single dose liquid packet for clothes washing

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: Anionic and nonionic surfactants, citric acid, enzymes, and brightener

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

<u>Common Name</u>	<u>Chemical Name</u>	<u>CAS No.</u>	<u>Composition Range</u>	<u>LD50</u>
Nonionic surfactant	Alcohols, C ₉₋₁₁ , ethoxylated	68439-46-3	20-40%	>1000 mg/kg
Anionic surfactant	Alkyl (C ₁₀₋₁₆) benzenesulfonic acid	85536-14-7	10-30%	>1000 mg/kg
Neutralizer	Ethanolamine	141-43-7	15-25%	>1000 mg/kg
Citric acid	Citric acid	77-92-9	15-25%	>1000 mg/kg
Enzymes	Protease, Amylase (Subtilisin)	9014-01-1 9000-90-2	1-5%	>1000 mg/kg
Brightener	Disodium Distyrylbiphenyl Disulfonate	27344-41-8	1-5%	Not available

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>HMS</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

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Ethanolamine 141-43-5	STEL: 6 ppm TWA: 3 ppm	TWA: 3 ppm TWA: 6 mg/m ³ (vacated) TWA: 3 ppm (vacated) TWA: 8 mg/m ³ (vacated) STEL: 6 ppm (vacated) STEL: 15 mg/m ³	IDLH: 30 ppm TWA: 3 ppm TWA: 8 mg/m ³ STEL: 6 ppm STEL: 15 mg/m ³
Subtilisin 9014-01-1	Ceiling: 0.00006 mg/m ³ as crystalline active enzyme	(vacated) STEL: 0.00006 mg/m ³ in 60 minutes	STEL: 0.00006 mg/m ³ in 60 minutes Subtilisins

ACGIH TLV: Threshold Limit Value

OSHA PEL: Permissible Exposure Limits

NIOSH IDLH: Immediately Dangerous to Life or Health

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	Transparent pouch with liquid
Color	Amber	Odor	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 (%)	4		
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 Detergent Pods are 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

<u>Chemical Name</u>	<u>LD50 Oral</u>	<u>LD50 Dermal</u>	<u>LC50 Inhalation</u>
Alcohols, C ₉₋₁₁ , ethoxylated	2 g/kg (Rat)	2 mg/kg (Rabbit)	
Alkyl (C ₁₀₋₁₆) benzenesulfonic acid	1000 mg/kg (Rat)	730 mg/kg (Rabbit)	
Ethanolamine	1720 mg/kg (Rat)	1 mL/kg (Rabbit) 1025 mg/kg (Rabbit)	
Citric acid	5040 mg/kg (Mouse) 3000 mg/kg (Rat)		
Disodium Distyrylbiphenyl Disulfonate	2000 mg/kg (Rat)	2500 mg/kg (Rabbit) 1 g/kg (Rat)	3.6 mg/L (Rat) 4h

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:

<u>Chemical Name</u>	<u>Toxicity to Algae</u>	<u>Toxicity to Fish</u>	<u>Toxicity to Microorganisms</u>	<u>Toxicity to Daphnia and other aquatic invertebrates</u>
Ethanolamine	15: 72 h <i>Desmodesmus subspicatus</i> mg/L EC50	227: 96 h <i>Pimephales promelas</i> mg/L LC50 flow-through 3684: 96 h <i>Brachydanio rerio</i> mg/L LC50 static 300-1000: 96 h <i>Lepomis macrochirus</i> mg/L LC50 static 114-196: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 static 200: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 flow-through	EC50 = 110 mg/L 17 h EC50 = 12200 mg/L 2 h EC50 = 13.7 mg/L 30 min	65: 48 h <i>Daphnia magna</i> mg/L EC50
Disodium Distyrylbiphenyl Disulfonate	10: 72 h <i>Desmodesmus subspicatus</i> mg/L EC50 10.0 – 11.0: 96 h <i>Desmodesmus subspicatus</i> mg/L EC50	76: 96 h <i>Brachydanio rerio</i> mg/L LC50 static		1000: 48 h <i>Daphnia magna</i> mg/L EC50

Persistence and degradability No data is available on the product itself.
Bioaccumulation Not likely to bioaccumulate
Mobility Not determined

Chemical Name	Log P _{ow}
Ethanolamine	-1.91

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

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Ethanolamine	X	X	X	X	

Mexico

Chemical Name	Carcinogen Status	Exposure Limits
Ethanolamine		Mexico: TWA: 3 ppm Mexico: TWA: 8 mg/m ³ Mexico: STEL: 6 ppm Mexico: STEL: 15 mg/m ³

Canada

This product will be classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR

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	4 = EXTREME
Flammability: 1	3 = HIGH
Reactivity: 0	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.

