

SAFETY DATA SHEET

CSI ULTRA SOFT-SOUR

SECTION 1: PRODUCT & COMPANY IDENTIFICATION

DATE: 02/09/2015 / Supersedes Revision: n/a

Manufacturer:

PDQ Manufacturing, Inc.
201 Victory Circle
Ellijay, GA USA 30540
Phone: (706) 636-1848
Website: www.pdqonline.com

Distributor:

CLEAN SOLUTIONS, INC.
232 CR 702
JONESBORO, AR 72401
870/935-5003

EMERGENCY CONTACT: Chemtrec, Reference CCGN JGG
Phone: (800) 424-9300 (collect calls accepted) / International: (703) 527-3887

Product Name: CSI ULTRA SOFT-SOUR

ID Code: 4320

Product Category: Softener/Sour

SECTION 2: HAZARD(S) IDENTIFICATION

Acute Toxicity: Oral, Category 5

Skin Corrosion/Irritation, Category 2

Serious Eye Damage/Eye Irritation, Category 1



GHS Signal Word: DANGER

GHS Hazard Phrases:

H303 - May be harmful if swallowed.

H315 - Causes skin irritation.

H318 - Causes serious eye damage.

GHS Precaution Phrases:

P264 - Wash hands thoroughly after handling.

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

GHS Response Phrases:

P301+312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

P330 - Rinse mouth.

P303+361+353 - IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.

P363 - Wash contaminated clothing before reuse.

P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a poison control center or physician for treatment advice. Have product container or label with you when calling poison control center or physician.

P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P310 - Immediately call a Poison Control Center or doctor.

GHS Storage and Disposal Phrases:

P405 - Store locked up.

P501 - Unused product is not a RCRA Hazardous waste. However, contaminated product and wastes may be RCRA hazardous. Users are advised to determine the appropriate disposal method based on local, state and federal regulations and comply with those regulations.

Hazard Rating System:

HMIS

Health: 2

Flammability: 0

Physical: 1

PPE: B

Potential Health Effects (Acute and Chronic): Hazards not otherwise classified (HNOC) or not covered by GHS.

Chronic: None.

Inhalation: No hazard expected in normal industrial use. May be harmful if inhaled. Causes respiratory tract irritation.

Skin Contact: Causes skin irritation.

Eye Contact: Causes eye irritation.

Ingestion: No hazard expected in normal industrial use. May be harmful if swallowed.

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Hazardous Components (Chemical Name)	Concentration
68410-69-5	Poly(oxy-1,2-ethanediyl), .alpha.-[2-[Bis(2-aminoethyl)methy	5.0 -15.0 %
77-92-9	Citric acid	5.0 -10.0 %

SECTION 4: FIRST-AID MEASURES

Emergency and First Aid Procedures: Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

In Case of Inhalation: No specific treatment is necessary since this material is not likely to be hazardous by inhalation.

In Case of Skin Contact: Wash off with soap and plenty of water. Consult a physician.

In Case of Eye Contact: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

In Case of Ingestion: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Signs and Symptoms Of Exposure: The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11 Vomiting, Diarrhea. Damage to tooth enamel. Dermatitis. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Note to Physician: Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

SECTION 5: FIRE-FIGHTING MEASURES

Flash Point: NP Method Used: Estimate

Explosive Limits: LEL: UEL:

Autoignition Pt: NP

Suitable Extinguishing Media: Use water spray, dry chemical, carbon dioxide, or alcohol-resistant foam. Not available.

Fire Fighting Instructions: Wear self contained breathing apparatus for fire fighting if necessary. Further information. As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Material will not burn.

Flammable Properties and Hazards: Carbon oxides.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Protective Precautions, Protective Equipment and Emergency Procedures: Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas. For personal protection see section 8.

Environmental Precautions: Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Steps To Be Taken In Case Material Is Released Or Spilled: Use proper personal protective equipment as indicated in Section 8. Spills/Leaks: Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Personal precautions. Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. Environmental precautions. Do not let product enter drains. Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

SECTION 7: HANDLING AND STORAGE

Precautions To Be Taken in Handling: Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Use explosion-proof equipment. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge. For precautions see section 2. No special handling procedures are required. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

Precautions To Be Taken in Storing: Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Handle and store under inert gas. Hygroscopic. No special storage requirements.

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
68410-69-5	Poly(oxy-1,2-ethanediyl), .alpha.-[2-[Bis(2-aminoethyl)methy			
77-92-9	Citric acid			

Respiratory Equipment (Specify Type): Respirator protection is not normally required.

Eye Protection: Safety glasses.

Protective Gloves: Handle with gloves.

Other Protective Clothing: Impervious clothing.

Engineering Controls (Ventilation etc.): There are no special ventilation requirements.

Work/Hygienic/Maintenance Practices: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Environmental Exposure Controls: Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical States: Gas Liquid Solid

Appearance and Odor: Opaque blue liquid

Fragrant odor.

Melting Point:

Boiling Point:

Autoignition Pt:

Flash Pt:

Explosive Limits: LEL: UEL:

Specific Gravity (Water = 1): ~ 1.0

Vapor Pressure (vs. Air or mm Hg):

Vapor Density (vs. Air = 1):

Evaporation Rate:

Solubility in Water: Complete

Viscosity: thin

pH: 2-3 @ 1%

Percent Volatile:

SECTION 10: STABILITY AND REACTIVITY

Stability: Unstable Stable

Conditions To Avoid - Instability: Heat, flames and sparks. Extremes of temperature and direct sunlight. No data available.

Incompatibility - Materials To Avoid: Oxidizing agents, Acid anhydrides, Aluminum, Halogenated compounds, Acids.

None. Bases, Reducing agents, nitrates.

Hazardous Decomposition Or Byproducts: Other decomposition products: No data available. In the event of fire: see section 5. None. formed under fire conditions. Carbon oxides.

Possibility of Hazardous Reactions: Will occur Will not occur

Conditions To Avoid -Hazardous Reactions: Vapors may form explosive mixture with air.

SECTION 11: TOXICOLOGICAL INFORMATION

Toxicological Information: Germ cell mutagenicity. No data available. Reproductive toxicity. Aspiration hazard:

Epidemiology: Teratogenicity: No data available. Reproductive Effects: Neurotoxicity: Other Studies:

Irritation or Corrosion: Skin corrosion/irritation. Provide adequate ventilation. Result: Serious eye damage/eye irritation:

Result: Eye irritation - 24 h. Skin - rabbit - Mild skin irritation - -24 h. Eyes - rabbit - Severe eye irritation.

Chronic Toxicological Effects: Specific target organ toxicity - single exposure: Inhalation. Oral. May cause drowsiness or dizziness. Specific target organ toxicity - repeated exposure: No data available.

Carcinogenicity/Other Information: NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA. CAS# 7732-18-5: Not listed by ACGIH, IARC, NTP, or CA Prop 65. Carcinogenicity. IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
68410-69-5	Poly(oxy-1,2-ethanediyl), .alpha.-[2-[Bis(2-aminoethyl)methy	n.a.	n.a.	n.a.	n.a.
77-92-9	Citric acid	n.a.	n.a.	n.a.	n.a.

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SECTION 12: ECOLOGICAL INFORMATION

Results of PBT and vPvB assessment: PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Method: Product. Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Contaminated packaging. Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification. RCRA P-Series: None listed. RCRA U-Series: None listed. Dispose of as unused product.

SECTION 14: TRANSPORTATION INFORMATION (DOT/UN CLASSIFICATION)

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Corrosive liquid, basic, inorganic, n.o.s. (contains phosphoric acid)

DOT Hazard Class: 8 CORROSIVE

UN/NA Number: UN3264

Packing Group: II

LAND TRANSPORT (Canadian TDG):

TDG Shipping Name:



SECTION 15: REGULATORY INFORMATION

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
68410-69-5	Poly(oxy-1,2-ethanediyl), .alpha.-[2-[Bis(2-aminoethyl)methy	No	No	No
77-92-9	Citric acid	No	No	No

CAS # Hazardous Components (Chemical Name)

68410-69-5	Poly(oxy-1,2-ethanediyl),.alpha.-[2-[Bis(2-aminoethyl)methy
77-92-9	Citric acid

Other US EPA or State Lists

CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory, 8D TERM; CA PROP.65: No
CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No

SECTION 16: OTHER INFORMATION

Revision Date: 02/09/2015

Preparer Name: Regulatory Affairs

Additional Information About This Product:

Company Policy or Disclaimer: The information contained in this Safety Data Sheet is provided pursuant to current OSHA regulations to convey information concerning the hazardous nature of the named product. The information supplied was compiled from the most reliable sources available at the time of preparation and in light of the most reasonable foreseeable exposure situations expected from the intended use of this product. The material(s) may present greater or lesser hazard exposure under other circumstances that are beyond the control of the manufacturer. Therefore it is imperative that all directions and warnings on the product label be read and closely followed.