

SAFETY DATA SHEET

4-S EMERALD SUDS

SECTION 1: PRODUCT & COMPANY IDENTIFICATION

DATE: 04/15/2015 / Supersedes Revision: 02/09/2015

Manufacturer:

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

Distributor:

4 STATE MAINTENANCE SUPPLY
P.O. BOX 591
COFFEYVILLE, KS 67337
620/251-7033

EMERGENCY CONTACT: Chemtrec, Reference CCN203605
Phone: (800) 424-9300 (collect calls accepted) / International: (703) 527-3887

Product Name: 4-S EMERALD SUDS

ID Code: 4255

Product Category: Neutral Detergent

SECTION 2: HAZARD(S) IDENTIFICATION

Serious Eye Damage/Eye Irritation, Category 2

Skin Corrosion/Irritation, Category 2



GHS Signal Word: Warning

GHS Hazard Phrases:

H315 - Causes skin irritation.

H319 - Causes serious eye irritation.

GHS Precaution Phrases:

P264 - Wash hands thoroughly after handling.

P280 - Wear eye protection.

GHS Response Phrases:

P302+352 - IF ON SKIN: Wash with plenty of soap and water.

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.

P321 - Specific treatment see Section 4 on this label.

P332+313 - If skin irritation occurs, get medical advice/attention.

P337+313 - If eye irritation persists, get medical advice/attention.

P362 - Take off contaminated clothing and wash before re-use.

GHS Storage and Disposal Phrases:

P501 - Dispose of contents/container via locally approved methods.

Hazard Rating System:

HMIS

Health: 1

Flammability: 0

Physical: 0

PPE: A

Potential Health Effects (Acute and Chronic): Prolonged or repeated skin contact may cause dermatitis. Chronic exposure may cause liver damage. Prolonged or repeated exposure may cause adverse reproductive effects.

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

Skin Contact: Causes skin irritation. (HSDB) May cause skin irritation.

Eye Contact: Causes severe eye irritation. Risk of serious damage to eyes.

Ingestion: Harmful if swallowed. May cause irritation of the digestive tract. May cause cardiac disturbances. No hazard expected in normal industrial use.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Hazardous Components (Chemical Name)	Concentration
25155-30-0	Sodium dodecylbenzene sulfonate {linearalkylbenzene sulfonate}	5.0 -20.0 %
68603-42-9	Cocamide DEA {Amides,coco,N,N-bis(hydroxyethyl)}	1.0 -10.0 %
57-13-6	Urea {Carbamide}	1.0 %
9004-82-4	Sodium lauryl ether sulfate {Sodium laureth sulfate}	2.0 -6.0 %

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SECTION 4: FIRST-AID MEASURES

Emergency and First Aid Procedures:

In Case of Inhalation: Remove from exposure and move to fresh air immediately. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear.

In Case of Skin Contact: Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists.

In Case of Eye Contact: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

In Case of Ingestion: If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water.

Note to Physician: None known.

SECTION 5: FIRE-FIGHTING MEASURES

Flash Point: NP Method Used: Estimate

Explosive Limits: LEL: UEL:

Autoignition Pt: NA

Suitable Extinguishing Media: Use water spray, dry chemical, carbon dioxide, or chemical foam.

Fire Fighting Instructions: 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:

SECTION 6: ACCIDENTAL RELEASE MEASURES

Steps To Be Taken In Case Material Is Released Or Spilled: Use proper personal protective equipment as indicated in Section 8. Spills/Leaks: Avoid generating dusty conditions. Do not let this chemical enter the environment. Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container.

SECTION 7: HANDLING AND STORAGE

Precautions To Be Taken in Handling: Do not ingest or inhale. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation.

Precautions To Be Taken in Storing: Store in a cool, dry place. No special storage requirements.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
25155-30-0	Sodium dodecylbenzene sulfonate {linear alkylbenzene sulfonate}			
68603-42-9	Cocamide DEA {Amides,coco,N,N-bis(hydroxyethyl)}			
57-13-6	Urea {Carbamide}			
9004-82-4	Sodium lauryl ether sulfate {Sodium laureth sulfate}			

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

Eye Protection: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Protective Gloves: Protective garments not normally required.

Other Protective Clothing: Protective garments not normally required.

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

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical States: [] Gas [X] Liquid [] Solid

Appearance and Odor: Clear, viscous green liquid
Fragrant odor.

Melting Point: NA

Boiling Point: NA

Autoignition Pt: NA

Flash Pt: NP Method Used: Estimate

Explosive Limits: LEL: UEL:

Specific Gravity (Water = 1): ~ 1.05

Vapor Pressure (vs. Air or mm Hg):

Vapor Density (vs. Air = 1):

Evaporation Rate:

Solubility in Water: Complete

Percent Volatile:

Viscosity: High

pH: 5-9 @ 1%

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SECTION 10: STABILITY AND REACTIVITY

Stability: Unstable [] Stable [X]

Conditions To Avoid - Instability: Incompatible materials.

Incompatibility – Materials To Avoid: Acids, Strong acids. sodium hypochlorite). calcium hypochlorite, sodium nitrate, nitrosyl perchlorate, DICHROMATES, liquid chlorine, nitrates, permanganates, chromyl chloride.

Hazardous Decomposition Or Byproducts: Carbon monoxide, oxides of sulfur, Carbon dioxide, oxides of nitrogen.

Possibility of Hazardous Reactions: Will occur [] Will not occur [X]

Conditions To Avoid -Hazardous Reactions:

SECTION 11: TOXICOLOGICAL INFORMATION

Toxicological Information: Epidemiology: No information found. Reproductive Effects: Mutagenicity: Neurotoxicity: Tumorigenic effects have been reported in experimental animals. No data available. Other Studies:

Carcinogenicity/Other Information: CAS# 25155-30-0: Not listed by ACGIH, IARC, NTP, or CA Prop 65. CAS# 7732-18-5: Not listed by ACGIH, IARC, NTP, or CA Prop 65. CAS# 68551-12-2: Not listed by ACGIH, IARC, NTP, or CA Prop 65. CAS# 68603-42-9: Not listed by ACGIH, IARC, NTP, or CA Prop 65. CAS# 57-13-6: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
25155-30-0	Sodium dodecylbenzene sulfonate {linear alkylbenzene sulfonate}	n.a.	n.a.	n.a.	n.a.
68603-42-9	Cocamide DEA {Amides,coco,N,N-bis(hydroxyethyl)}	n.a.	2B	n.a.	n.a.
57-13-6	Urea {Carbamide}	n.a.	n.a.	n.a.	n.a.
9004-82-4	Sodium lauryl ether sulfate {Sodium laureth sulfate}	n.a.	n.a.	n.a.	n.a.

SECTION 12: ECOLOGICAL INFORMATION

General Ecological Information: Environmental: Aquatic: Water temperature affects biodegradation. The rate of sodium-C12 linear alkylbenzene sulfonic acids biodegradation in Chesapeake Bay water was max at 25-30 deg C and decreased at lower incubation temperatures. Terrestrial: The adsorption of sodium-C12 linear alkylbenzene sulfonic acids is affected by the type of soil. The affinity of the soil for surfactants competes with microbial attack, slowing biodegradation. (HSDB)

Physical: No information available. Other: Do not empty into drains. Not regulated under U.S. Department of Transportation regulations (29 CFR) Other: Biodegradable. If released to the atmosphere, urea will degrade rapidly in the vapor-phase by reaction with photochemically produced hydroxyl radicals (half-life of 9.6 hr). The rate of hydrolysis can be fast (24 hr); however, a number a variables (such as increasing the pellet size of the fertilizer) can decrease the degradation rate from days to weeks. Physical: No information found.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Method: 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.

SECTION 14: TRANSPORTATION INFORMATION (DOT/UN CLASSIFICATION)

LAND TRANSPORT (US DOT): DOT Proper Shipping Name: Not regulated.

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)
25155-30-0	Sodium dodecylbenzene sulfonate {linear alkylbenzene sulfonate}	No	Yes 1000 LB	No
68603-42-9	Cocamide DEA {Amides,coco,N,N-bis(hydroxyethyl)}	No	No	No
57-13-6	Urea {Carbamide}	No	No	No
9004-82-4	Sodium lauryl ether sulfate {Sodium laureth sulfate}	No	No	No

CAS # **Hazardous Components (Chemical Name)**

25155-30-0	Sodium dodecylbenzene sulfonate {linear alkylbenzene sulfonate}
68603-42-9	Cocamide DEA {Amides,coco,N,N-bis(hydroxyethyl)}
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9004-82-4	Sodium lauryl ether sulfate {Sodium laureth sulfate}

Other US EPA or State Lists

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

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SECTION 16: OTHER INFORMATION

Revision Date: 04/15/2015

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.