

SAFETY DATA SHEET

S-3

SECTION 1: PRODUCT & COMPANY IDENTIFICATION

DATE: 02/10/2015 / Supersedes Revision: n/a

Manufacturer:

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

EMERGENCY CONTACT: Chemtrec, Reference CCN203605

Phone: (800) 424-9300 (collect calls accepted) / International: (703) 527-3887

Product Name: S-3

ID Code: 4746

Product Category: Alkaline Detergent

SECTION 2: HAZARD(S) IDENTIFICATION

Skin Corrosion/Irritation, Category 2

Serious Eye Damage/Eye Irritation, Category 2A

Specific Target Organ Toxicity (single exposure), Category 3

Serious Eye Damage/Eye Irritation, Category 2B

Aquatic Toxicity (Acute), Category 2

Aquatic Toxicity (Chronic), Category 2

Skin Corrosion/Irritation, Category 1A



GHS Signal Word: DANGER

GHS Hazard Phrases:

H314 - Causes severe skin burns and eye damage.

H315 - Causes skin irritation.

H319 - Causes serious eye irritation.

H320 - Causes eye irritation.

H335 - May cause respiratory irritation.

H401 - Toxic to aquatic life.

H411 - Toxic to aquatic life with long lasting effects.

GHS Precaution Phrases:

P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.

P264 - Wash hands thoroughly after handling.

P271 - Use only outdoors or in a well-ventilated area.

P273 - Avoid release to the environment.

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

GHS Response Phrases:

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

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

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

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

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.

P310 - Immediately call a POISON CENTER or doctor/physician.

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.

P363 - Wash contaminated clothing before reuse.

P391 - Corrosive to skin - repeated or prolonged exposure may result in dermatitis or skin sensitization.

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.

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Hazard Rating System:

HMIS

Health: 2

Flammability: 0

Physical: 1

PPE: B

Potential Health Effects (Acute and Chronic): Prolonged or repeated skin contact may cause dermatitis. Chronic: Effects may be delayed.

Inhalation: May be harmful if inhaled. Causes respiratory tract irritation. Material is irritating to mucous membranes and upper respiratory tract. Irritation may lead to chemical pneumonitis and pulmonary edema. Causes severe irritation of upper respiratory tract with coughing, burns, breathing difficulty, and possible coma. Causes chemical burns to the respiratory tract. No hazard expected in normal industrial use.

Skin Contact: Ingestion can cause burning pain in mouth, throat and abdomen - May be fatal if ingested. May cause skin irritation. Skin Absorption: May be harmful if absorbed through the skin. Causes skin burns. May cause deep, penetrating ulcers of the skin. May cause skin rash (in milder cases), and cold and clammy skin with cyanosis or pale color.

Eye Contact: Causes severe eye irritation. Causes eye burns. May cause chemical conjunctivitis and corneal damage.

Ingestion: May be harmful if swallowed. Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals. May cause severe and permanent damage to the digestive tract. Causes gastrointestinal tract burns. Causes severe pain, nausea, vomiting, diarrhea, and shock. May cause corrosion and permanent tissue destruction of the esophagus and digestive tract. May cause systemic effects. No hazard expected in normal industrial use.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Hazardous Components (Chemical Name)	Concentration
9016-45-9	Poly(oxy-1,2-ethanediyl),.alpha.-(nonylphenyl)-.omega.-hydr {Nonylphenol Ethoxylate}	10.0 -30.0 %
1310-73-2	Sodium hydroxide {Caustic soda; Lye solution} 3	.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: If inhaled, remove to fresh air. If breathing is difficult, give oxygen. Get medical aid.

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

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

In Case of Ingestion: Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Signs and Symptoms Of Exposure: To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. Exposure can cause: Nausea, headache, and vomiting.

Note to Physician: Show this safety data sheet to the doctor in attendance.

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. Substance is noncombustible; use agent most appropriate to extinguish surrounding fire.

Fire Fighting Instructions: Specific Hazard(s): As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Use water spray to keep fire-exposed containers cool. Use water with caution and in flooding amounts. Contact with metals may evolve flammable hydrogen gas. Material will not burn.

Flammable Properties and Hazards:

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SECTION 6: ACCIDENTAL RELEASE MEASURES

Steps To Be Taken In Case Material Is Released Or Spilled: Personal precautions. Use personal protective equipment. Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation. Environmental precautions. Do not let product enter drains. Pick up and arrange disposal without creating dust. Keep in suitable, closed containers for disposal. PROCEDURE(S) OF PERSONAL PRECAUTION(S) Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves. Methods for cleaning up. Absorb on sand or vermiculite and place in closed containers for disposal. Ventilate area and wash spill site after material pickup is complete. Use proper personal protective equipment as indicated in Section 8. Spills/Leaks: Avoid runoff into storm sewers and ditches which lead to waterways. Clean up spills immediately, observing precautions in the Protective Equipment section. Avoid generating dusty conditions. Do not get water on spilled substances or inside containers. 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: Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Normal measures for preventive fire protection. User Exposure: Do not breathe vapor. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling. Keep container tightly closed. Avoid ingestion and inhalation. Discard contaminated shoes. Use only with adequate ventilation.

Precautions To Be Taken in Storing: Keep in a dry place. Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances. Keep away from metals. Corrosives area. Keep away from acids.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
9016-45-9	Poly(oxy-1,2-ethanediyl), .alpha.-(nonylphenyl)-.omega.-hydr {Nonylphenol Ethoxylate}			
1310-73-2	Sodium hydroxide {Caustic soda; Lye solution}	PEL: 2 mg/m3	CEIL: 2 mg/m3	

Respiratory Equipment (Specify Type): A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use. Respirator protection is not normally required.

Eye Protection: Safety glasses with side-shields conforming to EN166.

Protective Gloves: Handle with gloves. Wear appropriate protective gloves to prevent skin exposure.

Other Protective Clothing: Wear appropriate protective clothing to prevent skin exposure.

Engineering Controls (Ventilation etc.): Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. 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. Wash thoroughly after handling.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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

Appearance and Odor: Clear blue-green liquid
Mild odor.

Metling Point:

Boiling Point:

Autoignition Pt: NP

Flash Pt: NP Method Used: Estimate

Explosive Limits: LEL: UEL:

Specific Gravity (Water = 1): ~ 1.1

Vapor Pressure (vs. Air or mm Hg): ~ 12 MM_HG

Vapor Density (vs. Air = 1):

Evaporation Rate:

Solubility in Water: Complete

Viscosity: thin

pH: > 12.0

Percent Volatile:

SECTION 10: STABILITY AND REACTIVITY

Stability: Unstable [] Stable [X]

Conditions To Avoid - Instability: Avoid contact with acids, reducing agents, oxidizers, nitrogen oxides, amines, ammonia or other nitrogen containing compounds. contact with water. Exposure to moist air or water.

Incompatibility – Materials To Avoid: Strong oxidizing agents. Sulfur oxides. Metals. Acids, Aluminum, Zinc, gelatin, nitromethane, leather, flammable liquids, organic halogens.

Hazardous Decomposition Or Byproducts: formed under fire conditions. Carbon oxides, Sulphur oxides, Sodium oxides, Carbon monoxide, Toxic fumes of sodium oxide.

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

Conditions To Avoid -Hazardous Reactions: Product will not undergo polymerization.

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SECTION 11: TOXICOLOGICAL INFORMATION

Toxicological Information: Acute demal toxicity: LD50 rabbit Dose > 2,000 mg/kg Skin irritation: Rabbit Non irritant Eye irritation: Rabbit minimal irritant. No data available. Respiratory or skin sensitization: Germ cell mutagenicity. Reproductive toxicity - no data available. Specific target organ toxicity -single exposure (Globally Harmonized System) Inhalation: May cause respiratory irritation Specific target organ toxicity -repeated exposure (Globally Harmonized System) Aspiration hazard. Epidemiology: No information found. Reproductive Effects: See actual entry in RTECS for complete information. Neurotoxicity:

Irritation or Corrosion: No data available.

Chronic Toxicological Effects: 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. 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.

Carcinogenicity/Other Information: CAS# 1310-73-2: 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. 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.

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
9016-45-9	Poly(oxy-1,2-ethanediyl), .alpha.-(nonylphenyl)-.omega.-hydr {Nonylphenol Ethoxylate}	n.a.	n.a.	n.a.	n.a.
1310-73-2	Sodium hydroxide {Caustic soda; Lye solution}	n.a.	n.a.	n.a.	n.a.

SECTION 12: ECOLOGICAL INFORMATION

General Ecological Information: NA.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Method: Product. Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material. Contaminated packaging. Dispose of as unused product. 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. Offer surplus and non-recyclable solutions to a licensed disposal company.

SECTION 14: TRANSPORTATION INFORMATION (DOT/UN CLASSIFICATION)

LAND TRANSPORT (US DOT):

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

DOT Hazard Class: 8 CORROSIVE

UN/NA Number: UN3266

Packing Group: II

LAND TRANSPORT (Canadian TDG):

TDG Shipping Name: CORROISVE



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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)
9016-45-9	Poly(oxy-1,2-ethanediyl), .alpha.-(nonylphenyl)-.omega.-hydr {Nonylphenol Ethoxylate}	No	No	No
1310-73-2	Sodium hydroxide {Caustic soda; Lye solution}	No	Yes 1000 LB	No

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
9016-45-9	Poly(oxy-1,2-ethanediyl), .alpha.-(nonylphenyl)- .omega.-hydr {Nonylphenol Ethoxylate}	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory, 8A PAIR; CA PROP.65: No
1310-73-2	Sodium hydroxide {Caustic soda; Lye solution}	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No

SECTION 16: OTHER INFORMATION

Revision Date: 02/10/2015

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.