

SAFETY DATA SHEET

Glisten

SECTION 1: PRODUCT & COMPANY IDENTIFICATION

DATE: 05/11/2015 / Supersedes Revision: 05/05/2015

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: Glisten

ID Code: 4532

Product Category: Alkaline Detergent

SECTION 2: HAZARD(S) IDENTIFICATION

Skin Corrosion/Irritation, Category 1A



GHS Signal Word: DANGER

GHS Hazard Phrases:

H314 - Causes severe skin burns and eye damage.

GHS Precaution Phrases:

P260 - Do not breathe dust/fume/gas/mist/vapors/spray.

P264 - Wash hands thoroughly after handling.

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

GHS Response Phrases:

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 CENTER/doctor.

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

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

P330 - Rinse mouth.

GHS Storage and Disposal Phrases:

P405 - Store locked up.

P501 - Dispose of contents/container according to local regulations.

Hazard Rating System:

HMIS

Health: 2

Flammability: 0

Physical: 2

PPE: C

Potential Health Effects (Acute and Chronic): Prolonged or repeated skin contact may cause dermatitis. Chronic: None. Effects may be delayed.

Inhalation: No hazard expected in normal industrial use. 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. May be harmful if inhaled.

Skin Contact: 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. Causes skin irritation.

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

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Ingestion: 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 be harmful if swallowed.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

| CAS # | Hazardous Components (Chemical Name) | Concentration |
|-----------|---|---------------|
| 1310-73-2 | Sodium hydroxide {Caustic soda; Lye solution} | >30.0 % |

SECTION 4: FIRST-AID MEASURES

Emergency and First Aid Procedures:

In Case of Inhalation: If inhaled, remove to fresh air. If breathing is difficult, give oxygen. Get medical aid. Remove from exposure and move to fresh air immediately.

In Case of Skin Contact: Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Get medical aid.

In Case of Eye Contact: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes.

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 victim is fully conscious, give a cupful of water. Never give anything by mouth to an unconscious person. Get medical aid.

Note to Physician: None known.

SECTION 5: FIRE-FIGHTING MEASURES

Flash Point:

Explosive Limits: LEL: UEL:

Autoignition Pt:

Suitable Extinguishing Media: Not available. Substance is noncombustible; use agent most appropriate to extinguish surrounding fire. Do NOT get water inside containers. Use water spray, dry chemical, carbon dioxide, or appropriate 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. Use water spray to keep fire-exposed containers cool. Use water with caution and in flooding amounts. Contact with moisture or water may generate sufficient heat to ignite nearby combustible materials. Contact with metals may evolve flammable hydrogen gas. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

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: Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Vacuum or sweep up material and place into a suitable disposal container. 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. Provide ventilation. Do not let this chemical enter the environment.

SECTION 7: HANDLING AND STORAGE

Precautions To Be Taken in Handling: No special handling procedures are required. Wash thoroughly after handling. Do not allow water to get into the container because of violent reaction. Keep container tightly closed. Avoid ingestion and inhalation. Discard contaminated shoes. Use only with adequate ventilation. Avoid contact with eyes, skin, and clothing. Use with adequate ventilation.

Precautions To Be Taken in Storing: No special storage requirements. 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. Store protected from moisture. Containers must be tightly closed to prevent the conversion of NaOH to sodium carbonate by the CO₂ in air. Store in a cool, dry place.

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

| CAS # | Partial Chemical Name | OSHA TWA | ACGIH TWA | Other Limits |
|-----------|---|--------------|---------------|--------------|
| 1310-73-2 | Sodium hydroxide {Caustic soda; Lye solution} | PEL: 2 mg/m3 | CEIL: 2 mg/m3 | |

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

Eye Protection: Wear chemical splash goggles. 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: Wear appropriate protective gloves to prevent skin exposure.

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

Engineering Controls (Ventilation etc.): There are no special ventilation requirements. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical States: Gas Liquid Solid

Appearance and Odor: White solid block mild 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:

pH: > 12

Percent Volatile: .

VOC / Volume:

SECTION 10: STABILITY AND REACTIVITY

Stability: Unstable Stable

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, Incompatible materials, dust generation.

Incompatibility – Materials To Avoid: None. Sulfur oxides. Metals. Acids, Aluminum, Zinc, gelatin, nitromethane, leather, flammable liquids, organic halogens. Strong acids.

Hazardous Decomposition Or Byproducts: None. Toxic fumes of sodium oxide, Carbon monoxide, oxides of phosphorus, Carbon dioxide.

Possibility of Hazardous Reactions: Will occur Will not occur

Conditions To Avoid -Hazardous Reactions:

SECTION 11: TOXICOLOGICAL INFORMATION

Toxicological Information: Epidemiology: No data available. Reproductive Effects: Mutagenicity: Neurotoxicity: No information found.

See actual entry in RTECS for complete information.

Carcinogenicity/Other Information: CAS# 7732-18-5: Not listed by ACGIH, IARC, NTP, or CA Prop 65. CAS# 1310-73-2: Not listed by ACGIH, IARC, NTP, or CA Prop 65. CAS# 7758-29-4: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

| CAS # | Hazardous Components (Chemical Name) | NTP | IARC | ACGIH | OSHA |
|-----------|---|------|------|-------|------|
| 1310-73-2 | Sodium hydroxide {Caustic soda; Lye solution} | n.a. | n.a. | n.a. | n.a. |

SECTION 12: ECOLOGICAL INFORMATION

General Ecological Information: Environmental: Physical: No information available. Other: Do not empty into drains.

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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: Corrosive solid, basic, inorganic, n.o.s. (contains sodium hydroxide)

DOT Hazard Class: 8 CORROSIVE

UN/NA Number: UN3262

Packing Group: II

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) |
|-----------|---|--------------|-------------|--------------|
| 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 |
|-----------|---|---|
| 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: 05/11/2015

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.