# SAFETY DATA SHEET

**Reward**

Revision: 01/10/2015

**Distributor: Southern Maintenance Supply Co. Inc. 320 Page Street, Lynchburg, VA 24501 (434)847-4396**

## 1. Product and Company Identification

**Product Code:** 4431

**Product Name:** Reward

**Company Name:** PDQ Manufacturing, Inc.
201 Victory Circle
Ellijay, GA 30540

**Phone Number:** (706)636-1848

**Web site address:** www.pdqonline.com

**Emergency Contact:** Chemtrec, Use Company Code: A814 (800)424-9300

**Information:** info@pdqonline.com (706)636-1848

## 2. Hazards Identification

**Acute Toxicity: Oral, Category 4**
**Skin Corrosion/Irritation, Category 1A**
**Skin Corrosion/Irritation, Category 2**
**Serious Eye Damage/Eye Irritation, Category 2A**
**Skin Sensitization, Category 1**
**Specific Target Organ Toxicity (single exposure), Category 3**

**GHS Signal Word:** **Danger**

**GHS Hazard Phrases:**
H302 - Harmful if swallowed.
H314 - Causes severe skin burns and eye damage.
H315 - Causes skin irritation.
H319 - Causes serious eye irritation.
H317 - May cause an allergic skin reaction.
H335 - May cause respiratory irritation.

**GHS Precaution Phrases:**
P264 - Wash hands thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P260 - Do not breathe dust/fume/gas/mist/vapours/spray.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P362+364 - Take off contaminated clothing and wash it before reuse.
P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
P272 - Contaminated work clothing should not be allowed out of the workplace.
P271 - Use only outdoors or in a well-ventilated area.

**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 advise. 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/...
P321 - Specific treatment see ... on this label.

P302+352 - IF ON SKIN: Wash with plenty of soap and water.
P332+313 - If skin irritation occurs, get medical advice/attention.
P337+313 - If eye irritation persists, get medical advice/attention.
P333+313 - If skin irritation or rash occurs, seek medical advice/attention.
P312 - Call a POISON CENTER/doctor/... if you feel unwell.

**GHS Storage and Disposal Phrases:** 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.
P405 - Store locked up.
P403+233 - Store container tightly closed in well-ventilated place - if product is as volatile as to generate hazardous atmosphere.

**Potential Health Effects (Acute and Chronic):** Prolonged or repeated eye contact may cause conjunctivitis.

Prolonged or repeated skin contact may cause dermatitis. May cause liver and kidney damage. Oral and dermal aministration of triethanolamine to laboratory animals produced liver, kidney, and nerve damage (scattered degeneration in the myelin sheath of individual.

Chronic: None. Effects may be delayed.

**Inhalation:** Harmful if inhaled. 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. Inhalation may be fatal as a result of spasm, inflammation, edema of the larynx and bronchi, chemical pneumonitis and pulmonary edema. Aspiration may lead to pulmonary edema. May cause systemic effects. May cause respiratory tract irritation. Inhalation of vapors will cause coughing or breathing difficulty. Inhalation of vapor from heated material or mist may cause irritation of the respiratory tract, experienced as nasal discomfort and discharge, with chest pain and coughing.

**Skin Contact:** May cause deep, penetrating ulcers of the skin. Causes severe burns with delayed tissue destruction. Causes redness and pain. May cause skin rash (in milder cases), and cold and clammy skin with cyanosis or pale color. May cause skin irritation. Prolonged and/or repeated contact may cause irritation and/or dermatitis.

**Eye Contact:** Causes severe eye burns. May cause irreversible eye injury. Contact may cause ulceration of the conjunctiva and cornea. Eye damage may be delayed. Causes redness and pain. May cause chemical conjunctivitis and corneal damage.

**Ingestion:** Harmful if swallowed. May cause severe and permanent damage to the digestive tract. Causes gastrointestinal tract burns. May cause circulatory system failure. Causes severe digestive tract burns with abdominal pain, vomiting, and possible death. May cause systemic effects. May cause gastrointestinal irritation with nausea, vomiting and diarrhea.

## 3. Composition/Information on Ingredients

| CAS # | Hazardous Components (Chemical Name) | Concentration |
|---|---|---|
| 1310-58-3 | Potassium hydroxide {Caustic potash} | 3.0 -10.0 % |
| 102-71-6 | Triethanolamine {TEA; 2,2'2"-nitrilo-triethanol} | 1.0 -4.0 % |
| 68604-71-7 | Imidazolium compounds, 1-[2-(2-carboxyethoxy)ethyl]-1(or 3)-(2-carboxyethyl)-4,5-dihydro-2-norcoco | 1.0 -3.0 % |

## 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. Do NOT use mouth-to-mouth resuscitation. If breathing has ceased apply artificial respiration using oxygen and a suitable mechanical device such as a bag and a mask.

**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. Discard contaminated clothing in a manner which limits further exposure. Destroy contaminated shoes.

**In Case of Eye Contact:** Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Do NOT allow victim to rub eyes or keep eyes closed. Get medical aid.

**In Case of Ingestion:** If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid immediately. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water.

**Note to Physician:** None known.

## 5. Fire Fighting Measures

**Flash Pt:** NP

**Explosive Limits:** LEL: N.A. UEL: N.A.

**Autoignition Pt:** NP

**Suitable Extinguishing Media:** Use extinguishing media appropriate to surrounding fire conditions.

**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. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Water reactive. Material will react with water and may release a flammable and/or toxic gas. Wear appropriate protective clothing to prevent contact with skin and eyes. Wear a self-contained breathing apparatus (SCBA) to prevent contact with thermal decomposition products. Use water with caution and in flooding amounts. Contact with moisture or water may generate sufficient heat to ignite nearby combustible materials. May ignite or explode on contact with steam or moist air. Use water spray to keep fire-exposed containers cool.

**Flammable Properties and Hazards:**

## 6. Accidental Release Measures

**Protective Precautions, Protective Equipment and Emergency Procedures:** Rubber or neoprene gloves. Safety glasses.

**Environmental Precautions:** Avoid release to the environment.

**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. Clean up spills immediately, observing precautions in the Protective Equipment section. Provide ventilation. Do not let this chemical enter the environment.

## 7. Handling and Storage

**Precautions To Be Taken in Handling:** Wash thoroughly after handling. Do not breathe dust, mist, or vapor. Keep container tightly closed. Do not ingest or inhale. Discard contaminated shoes. Keep from contact with moist air and steam. Use with adequate ventilation. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation.

**Precautions To Be Taken in Storing:** Keep container closed when not in use. Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances. Corrosives area. Do not store in aluminum containers.

## 8. Exposure Controls/Personal Protection

| CAS # | Partial Chemical Name | OSHA TWA | ACGIH TWA | Other Limits |
|---|---|---|---|---|
| 1310-58-3 | Potassium hydroxide {Caustic potash} | | CEIL: 2 mg/m3 | |
| 102-71-6 | Triethanolamine {TEA; 2,2'2"-nitrilo-triethanol} | | TLV: 5 mg/m3 | |
| 68604-71-7 | Imidazolium compounds, 1-[2-(2-carboxyethoxy)ethyl]-1(or 3)-(2-carboxyethyl)-4,5-dihydro-2-norcoco | | | |

**Respiratory Equipment (Specify Type):** Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

**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:** 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.

## 9. Physical and Chemical Properties

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

**Appearance and Odor:** Clear greene liquid.
No apparent odor.

**Freezing Point:** - 0.00 C

**Boiling Point:** > 100.00 C - 0.00 C

**Decomposition Temperature:** Unknown

**Autoignition Pt:** NP

**Flash Pt:** NP

**Explosive Limits:** LEL: N.A. UEL: N.A.

**Specific Gravity (Water = 1):** 1.081 - 1.103 at 25.0 C

**Vapor Pressure (vs. Air or mm Hg):** NP

**Vapor Density (vs. Air = 1):** NA

**Evaporation Rate:** > 1 (H2O=1)

**Solubility in Water:** 100

**Saturated Vapor Concentration:** NP

**Viscosity:** NP

**pH:** > 12.0

**Percent Volatile:** < 90.0 % by weight.

**VOC / Volume:** 0.0000 G/L

## 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.

**Incompatibility - Materials To Avoid:** Acids, Strong acids. Aluminum, Copper, Copper alloys, Zinc.

**Hazardous Decomposition Or Byproducts:** Oxides of potassium, hydrogen gas. Nitrogen oxides, Carbon monoxide.

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

**Conditions To Avoid - Hazardous Reactions:**

## 11. Toxicological Information

**Toxicological Information:** Epidemiology: No data available.
Teratogenicity: No data available.
Reproductive Effects: Mutagenicity: Neurotoxicity: Other Studies: No information found.
Teratogenicity: No information available.

**Carcinogenicity/Other Information:** CAS# 7732-18-5: Not listed by ACGIH, IARC, NTP, or CA Prop 65. CAS# 1310-58-3: Not listed by ACGIH, IARC, NTP, or CA Prop 65. CAS# 102-71-6: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

| CAS # | Hazardous Components (Chemical Name) | NTP | IARC | ACGIH | OSHA |
|---|---|---|---|---|---|
| 1310-58-3 | Potassium hydroxide {Caustic potash} | n.a. | n.a. | n.a. | n.a. |
| 102-71-6 | Triethanolamine {TEA; 2,2'2"-nitrilo-triethanol} | n.a. | 3 | n.a. | n.a. |
| 68604-71-7 | Imidazolium compounds, 1-[2-(2-carboxyethoxy)ethyl]-1(or 3)-(2-carboxyethyl)-4,5-dihydro-2-norcoco | n.a. | n.a. | n.a. | n.a. |

## 12. Ecological Information

## 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.

## 14. Transport Information

**LAND TRANSPORT (US DOT):**

**DOT Proper Shipping Name:** Corrosive liquid, basic, inorganic, n.o.s. (Potassium hydroxide)
**DOT Hazard Class:** 8 CORROSIVE
**UN/NA Number:** UN3266 **Packing Group:** II

## 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) |
|---|---|---|---|---|
| 1310-58-3 | Potassium hydroxide {Caustic potash} | No | Yes 1000 LB | No |
| 102-71-6 | Triethanolamine {TEA; 2,2'2"-nitrilo-triethanol} | No | No | No |
| 68604-71-7 | Imidazolium compounds, 1-[2-(2-carboxyethoxy)ethyl]-1(or 3)-(2-carboxyethyl)-4,5-dihydro-2-norcoco | No | No | No |

| CAS # | Hazardous Components (Chemical Name) | Other US EPA or State Lists |
|---|---|---|
| 1310-58-3 | Potassium hydroxide {Caustic potash} | CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No |
| 102-71-6 | Triethanolamine {TEA; 2,2'2"-nitrilo-triethanol} | CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory, 8D TERM; CA PROP.65: No |
| 68604-71-7 | Imidazolium compounds, 1-[2-(2-carboxyethoxy)ethyl]-1(or 3)-(2-carboxyethyl)-4,5-dihydro-2-norcoco | CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No |

## 16. Other Information

**Revision Date:** 01/10/2015

**Preparer Name:** Regulatory Affairs

**Hazard Rating System:**

**HMIS:**

| | |
|---|---|
| HEALTH | 2 |
| FLAMMABILITY | 0 |
| REACTIVITY | 1 |
| PPE | B |

**Additional Information About This Product:**

**Company Policy or Disclaimer:** The information contained in this Material 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.