

# SAFETY DATA SHEET

## EcoFirst Crystal Rinse Additive

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Revision: 06/13/2014

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

### 1. Product and Company Identification

**Product Code:** 4619  
**Product Name:** EcoFirst Crystal Rinse Additive  
**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

**Product Category:** Warewash rinse additive

### 2. Hazards Identification

**Skin Corrosion/Irritation, Category 2**  
**Serious Eye Damage/Eye Irritation, Category 2A**  
**Target Organ Systemic Toxicity (single exposure), Category 3**



**GHS Signal Word:** Warning

**GHS Hazard Phrases:** H315 - Causes skin irritation.  
H319 - Causes serious eye irritation.  
H335 - May cause respiratory irritation.

**GHS Precaution Phrases:** P264 - Wash hands thoroughly after handling.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.  
P271 - Use only outdoors or in a well-ventilated area.

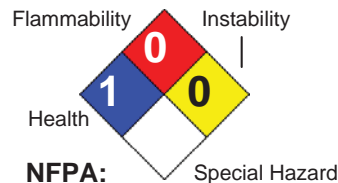
**GHS Response Phrases:** P302+352 - IF ON SKIN: Wash with plenty of soap and water.  
P332+313 - If skin irritation occurs, get medical advice/attention.  
P362 - Take off contaminated clothing.  
P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+313 - If eye irritation persists, get medical advice/attention.  
P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P312 - Call a Poison Control Center or doctor if you feel unwell.

**GHS Storage and Disposal Phrases:** P501 - Dispose of contents/container via locally approved methods.

**Hazard Rating System:**

HEALTH	1
FLAMMABILITY	0
REACTIVITY	0
PPE	B

HMIS:



**Potential Health Effects  
(Acute and Chronic):**

**Inhalation:** No hazard expected in normal industrial use.  
**Skin Contact:** Causes skin irritation.  
**Eye Contact:** May cause eye irritation.  
**Ingestion:** May cause irritation of the digestive tract. May be harmful if swallowed.

### 3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration
9003-11-6	Poloxanlene	<25.0 %

### 4. First Aid Measures

**Emergency and First Aid  
Procedures:**

**In Case of Inhalation:** If breathed in, move person into fresh air.

**In Case of Skin Contact:** No specific treatment is necessary, since this material is not likely to be hazardous. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash off with soap and plenty of water.

**In Case of Eye Contact:** No specific treatment is necessary, since this material is not likely to be hazardous. Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids.

**In Case of Ingestion:** Wash mouth out with water. Never give anything by mouth to an unconscious person. 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.

### 5. Fire Fighting Measures

**Flash Pt:**

**Explosive Limits:** LEL: UEL:

**Autoignition Pt:**

**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. Wear self contained breathing apparatus for fire fighting if necessary.

**Flammable Properties and Hazards:**

### 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: Vacuum or sweep up material and place into a suitable disposal container. Do not let this chemical enter the environment. Personal precautions. Use personal protective equipment. Environmental precautions. Do not let product enter drains. Keep in suitable, closed containers for disposal.

## 7. Handling and Storage

**Precautions To Be Taken in Handling:** No special handling procedures are required. Avoid contact with skin and eyes. Avoid ingestion and inhalation.

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

## 8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
9003-11-6	Poloxanlene			

**Respiratory Equipment (Specify Type):** Respirator protection is not normally required. 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. Where risk assessment shows air-purifying respirators are appropriate use a dust mask type N95 (US) or type P1 (EN 143) respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Eye Protection:** Safety glasses.

**Protective Gloves:** Protective garments not normally required. Wear appropriate protective gloves to prevent skin exposure. Handle with gloves.

**Other Protective Clothing:** Protective garments not normally required.

**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.

## 9. Physical and Chemical Properties

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

**Appearance and Odor:** Clear, dark blue liquid  
 Surfactant 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:** ~ 7.5 @ 1%

**Percent Volatile:**

## 10. Stability and Reactivity

**Stability:** Unstable [ ] Stable [ X ]

**Conditions To Avoid - Instability:** No data available.

**Incompatibility - Materials To Avoid:** None.

**Hazardous Decomposition Or Byproducts:** Carbon monoxide, formed under fire conditions. Carbon oxides, Sulphur oxides, Sodium oxides.

**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.  
 Neurotoxicity: Other Studies: Respiratory or skin sensitization: Reproductive toxicity - no data available.  
 Specific target organ toxicity -single exposure (Globally Harmonized System)  
 Inhalation: May cause respiratory irritation.

**Irritation or Corrosion:** No data available.

**Carcinogenicity/Other Information:** CAS# 7732-18-5: Not listed by ACGIH, IARC, NTP, or CA Prop 65. CAS# 9003-11-6: 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 #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
9003-11-6	Poloxanlene	n.a.	n.a.	n.a.	n.a.

## 12. Ecological Information

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

**Persistence and Degradability:** No data available.

**Bioaccumulative Potential:** No data available.

**Mobility in Soil:** No data available.

### 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. 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.

### 14. Transport Information

**LAND TRANSPORT (US DOT):**

**DOT Proper Shipping Name:** Not regulated as a hazardous material.  
**DOT Hazard Class:**  
**UN/NA Number:**

**LAND TRANSPORT (Canadian TDG):**

**TDG Shipping Name:** Not regulated.

### 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)
9003-11-6	Poloxanlene	No	No	No

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
9003-11-6	Poloxanlene	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No

### 16. Other Information

**Revision Date:** 06/13/2014  
**Preparer Name:** Regulatory Affairs

**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.