

## Rinse Additive

Revision: 10/01/2014

Distributor: Smart Systems • 303 South Byrkit Avenue • Mishawaka, IN 46544 • (574) 257-9998

## 1. Product and Company Identification

<b>Product Code:</b>	4953	Supersedes Revision: 06/12/2014
<b>Product Name:</b>	Rinse Additive	
<b>Company Name:</b>	PDQ Manufacturing, Inc. 201 Victory Circle Ellijay, GA 30540	<b>Phone Number:</b> (706)636-1848
<b>Web site address:</b>	www.pdqonline.com	
<b>Emergency Contact:</b>	Chemtrec, Ref: CCN203605	(800)424-9300
<b>Information:</b>	info@pdqonline.com	(706)636-1848
<b>Product Category:</b>	Warewash rinse additive	

## 2. Hazards 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 2



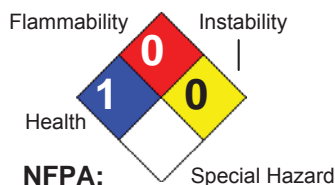
<b>GHS Signal Word:</b>	<b>Warning</b>
<b>GHS Hazard Phrases:</b>	H315 - Causes skin irritation. H319 - Causes serious eye irritation. H335 - May cause respiratory irritation.
<b>GHS Precaution Phrases:</b>	P264 - Wash hands thoroughly after handling. P280 - Wear protective gloves/protective clothing/eye protection/face protection. P271 - Use only outdoors or in a well-ventilated area. P273 - Avoid release to the environment.
<b>GHS Response Phrases:</b>	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.
<b>GHS Storage and Disposal Phrases:</b>	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.

# SAFETY DATA SHEET

## Rinse Additive

**Hazard Rating System:**

HEALTH		1
FLAMMABILITY		0
REACTIVITY		0
PPE		A

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

**Inhalation:** No hazard expected in normal industrial use. May be harmful if inhaled. Causes respiratory tract irritation. Skin: May be harmful if absorbed through skin. May cause skin irritation.

Eyes: Causes eye irritation.

**Skin Contact:** Causes skin irritation.

**Eye Contact:** Causes eye irritation.

**Ingestion:** No hazard expected in normal industrial use. May be harmful if swallowed.

### 3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration
68987-81-5	Alkoxylated linear alcohol	> 5.0 %
6419-19-8	Methylene phosphonic acid {Phosphonic acid, nitrilotris(methylene)tris-}	< 5.0 %

### 4. First Aid Measures

**Emergency and First Aid  
Procedures:**

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

**In Case of Skin Contact:** Wash off with soap and plenty of water.

**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.

**Note to Physician:** Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

### 5. Fire Fighting Measures

**Flash Pt:**

**Explosive Limits:** LEL: UEL:

**Autoignition Pt:**

**Suitable Extinguishing Media:** Use water spray, dry chemical, carbon dioxide, or alcohol-resistant 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: Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. 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. Methods for cleaning up.

## 7. Handling and Storage

**Precautions To Be Taken in Handling:** Avoid contact with skin and eyes.

**Precautions To Be Taken in Storing:** Keep container tightly closed in a dry and well-ventilated place.  
Keep in a dry place. Store in a cool, dry place. Hygroscopic.

## 8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
68987-81-5	Alkoxylated linear alcohol			
6419-19-8	Methylene phosphonic acid {Phosphonic acid, nitrilotris(methylene)tris-}			

**Respiratory Equipment (Specify Type):** Respirator protection is not normally required. 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:** 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  
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:** Thin  
**pH:** ~ 3.1 @ 1%  
**Percent Volatile:**

## 10. Stability and Reactivity

**Stability:** Unstable [ ] Stable [ X ]  
**Conditions To Avoid - Instability:** No specific conditions to avoid noted.

**Incompatibility - Materials To Avoid:** Strong oxidizing agents.

**Hazardous Decomposition Or Byproducts:** formed under fire conditions. Carbon oxides, Sulphur oxides, Sodium oxides, Thermal decomposition may produce toxic fumes of phosphorus oxides and/or phosphine.

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

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

## 11. Toxicological Information

**Toxicological Information:** Epidemiology: No data available.  
Neurotoxicity: Other Studies: Acute toxicity. 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.

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

**Carcinogenicity/Other Information:** CAS# 7732-18-5: 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
68987-81-5	Alkoxylated linear alcohol	n.a.	n.a.	n.a.	n.a.
6419-19-8	Methylene phosphonic acid {Phosphonic acid, nitrilotris(methylene)tris-}	n.a.	n.a.	n.a.	n.a.

## 12. Ecological Information

**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. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

## 14. Transport Information

**LAND TRANSPORT (US DOT):**

**DOT Proper Shipping Name:** Not regulated as a hazardous material.  
**DOT Hazard Class:** NA None  
**UN/NA Number:**

**LAND TRANSPORT (Canadian TDG):**

**TDG Shipping Name:** Not regulated.

**LAND TRANSPORT (European ADR/RID):**

**ADR/RID Shipping Name:** Not dangerous goods.

**MARINE TRANSPORT (IMDG/IMO):**

**IMDG/IMO Shipping Name:** Not dangerous goods.

**AIR TRANSPORT (ICAO/IATA):**

**ICAO/IATA Shipping Name:** Not dangerous goods.

## 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)
68987-81-5	Alkoxyated linear alcohol	No	No	No
6419-19-8	Methylene phosphonic acid {Phosphonic acid, nitrilotris(methylene)tris-}	No	No	No

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
68987-81-5	Alkoxyated linear alcohol	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No
6419-19-8	Methylene phosphonic acid {Phosphonic acid, nitrilotris(methylene)tris-}	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No

## 16. Other Information

**Revision Date:** 10/01/2014  
**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.