

MATERIAL SAFETY DATA SHEETS  
(MSDS)

ITEM NUMBER: 0381015 – **HARD WATER RINSE ADDITIVE**

IDENTITY (As Used On Label and List): Hard Water RINSE ADDITIVE

**Emergency Medical Telephone Number** 800-255-3924 (24 HRS) DMS # 117

**PRODUCT HAZARD RATINGS:** - Health = 1, Fire = 0, Reactivity = 1, Protective Equipment = \*B (HMIG)  
(Rating Legend: - 4 = Extreme, 3 = Serious, 2 = Moderate, 1 = Slight, 0 = Minimal)

**Section I**

*Manufactured by:*

DETERGENT MARKETING SYSTEMS, INC.  
900 RATHBONE AVENUE  
AURORA, IL 60506

TELEPHONE NUMBER FOR INFORMATION:  
630-859-8200

DATE REVISED: 03/05/2003

NAME OF PREPARER: Regina Allen

**Section II - Hazardous Ingredients/Identity Information**

Components are listed in this section if they present a physical or health hazard and are present at or above 1% in the mixture. If a component is identified as a CARCINOGEN by NTP, IARC, or OSHA as of the date of the MSDS, it will be listed and footnoted in this section when present at or above 0.1% in the product. Negative conclusions concerning carcinogenicity are not reported. Additional health information may be found in Section V. Components subject to the reporting requirements of Section 313 of SARA Title III are identified in the footnotes in this section, along with typical percentages. Other components may be listed if deemed appropriate.

Exposure recommendations are for components. OSHA Permissible Exposure Limits (PELS) and American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Values (TLV's) appear on the line with the component identification. Other recommendations appear as footnotes.

Chemical Names	Exposure Limits (LD50-Oral Rat)	Sara Title III SEC 313	ACGIH TLV/TWA	OSHA PEL	% By Wt.
PHOSPHORIC ACID (CAS # 7664-38-2)			400ppm	400ppm	1-5%

**Section III - Physical Characteristics**

Boiling Point: 212                      Vapor Pressure (mmHG): Similar to Water      Specific Gravity (H2O=1): 1.08  
Solubility/Water: Complete              Vapor Density (AIR = 1): +1                      Evaporation Rate (Ether=1): About the same  
Appearance and Odor: Clear RED\ Slight odor                      pH: 7.0

**Section IV - Fire and Explosion Hazard Data**

**Flash Point (TCC):** None to boiling  
**Flammable Limits - NF**  
**Extinguishing Media:** Non-Flammable  
**Special Fire Fighting Procedures:** None known  
**Unusual Fire and Explosion Hazards:** None known

**Section V - Reactivity Data**

**Stability:** Stable  
**Incompatibility (Materials to Avoid):** None known  
**Hazardous Decomposition Products:** None known  
**Conditions to Avoid:** None known

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## **Section VI - Health Hazards**

**Routes of entry - skin, eyes, ingestion, inhalations**

**Signs and Symptoms of Exposure :** Concentrate may cause irritations. Eye contact may cause irritations.

**Medical Conditions Generally Aggravated by Exposure:** Preexisting skin or eye disorders may be aggravated by exposure to this product.

**Emergency and First Aid Procedures:** Inhalation: Remove victim to fresh air and restore breathing if necessary. Stay with victim until arrival of emergency medical personnel. In case of eye contact, flush immediately with large amounts of water for 15 minutes. If irritation persists, seek medical attention.

**Skin:** Remove contaminated clothing. Wash affected area with soap and water. If irritation persists, consult a physician. **Ingestion:** Induce vomiting, drink milk or water.

## **Section VII - Precautions for Safe Handling and Use**

**Releases or Spilled:** Flush with plenty of water. Consult local regulatory agency for proper disposition of material.

**Waste Disposal Method:** Dispose in accordance with local, state, and federal regulations.

**Handling and Storing:** Wash after handling. Do not get in eyes, on skin or clothing.

**Other Precautions:** Please read and follow the directions on the product label; they are your best guide to using this product in the most effective way, and give the necessary safety precautions to protect your health.

## **Section VIII - Employee Protection**

**Respiratory Protection:** *(Type):* None required.

**Ventilation:** Local exhaust is adequate under normal conditions.

**Protective Gloves:** None required with normal usage.

**Eye Protection:** None required with normal usage.

**Other Protective Clothing or Equipment:** Wear impervious clothing to prevent skin contact.

## **Section IX - Other Regulatory Controls**

**Governmental Listings:** Ingredients of this product are listed on the EPA/TSCA Inventory of Chemical Substances.

## **Section X - Transportation (D.O.T. Classification)**

**DOT Class:** Not D.O.T. regulated

**KEEP OUT OF REACH OF CHILDREN**

**NG - Negligible NA - Not Applicable NE - Not Established UN - Unavailable ND - Not Determined**

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