



# MATERIAL SAFETY DATA SHEET

## SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

<b>Company Name</b> Nu-Calgon Wholesaler, Inc.	<b>Phone Number</b> (314) 469-7000 / (800) 554-5499	<b>CHEMTREC</b> (800) 424-9300		
<b>Street Address</b> 2008 Altom Court	<b>City</b> St. Louis	<b>State</b> MO	<b>Postal Code</b> 63146-4151	<b>Last Update</b> 4/26/07
<b>Product Name</b> Liquid Ice Machine Cleaner	<b>Product Number</b> 4207	<b>Product Use</b> Cleaning scale from ice machines.		<b>EPA Registration #</b> N/A

## SECTION 2 – COMPOSITION/INFORMATION ON INGREDIENTS

<u>Hazardous Ingredients</u>	<u>% By Wt.</u>	<u>CAS Number</u>	<u>TLV</u>	<u>PEL</u>
Phosphoric Acid	75	7664-38-2	1mg/m3	1mg/m3

## SECTION 3 – HAZARD IDENTIFICATION

<b>Emergency Overview:</b> No Data.
<b>Potential Health Effects</b>
<b>Eyes:</b> Corrosive. Concentrated solutions are extremely irritating to eyes and may produce burns on contact.
<b>Skin:</b> Corrosive to tissues. May result in skin burns. Severely irritating to skin; repeated contact with more dilute solutions may result in dermatitis.
<b>Ingestion:</b> If swallowed may result in abdominal hemorrhage, nausea, vomiting or loss of consciousness. Severe abdominal pain may result from severe burns of stomach and gastrointestinal tract.
<b>Inhalation:</b> Mist, vapors or aerosols are irritating to respiratory tract and high concentrations may produce pulmonary edema and difficulty in breathing.
<b>Chronic Exposure:</b> No available information was found.
<b>Carcinogenicity:</b> No Data.
<b>Medical Conditions Aggravated by Exposure:</b> No data.

## SECTION 4 – FIRST AID MEASURES

<b>Eyes:</b> Immediately flush with plenty of water for at least 15 minutes. Seek medical aid.
<b>Skin:</b> Immediately wash with soap and plenty of water for 15 minutes while removing contaminated clothing. Seek medical aid.
<b>Ingestion:</b> DO NOT induce vomiting. Give large quantities of water. Seek medical aid. Never give anything by mouth to an unconscious person.
<b>Inhalation:</b> Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical aid.

## SECTION 5 – FIREFIGHTING MEASURES

<b>Flash Point:</b> Nonflammable°C/Nonflammable°F
<b>Autoignition Temp:</b> No Data.°C/No Data.°F
<b>Hazardous Products of Combustion:</b> No Data.
<b>Flammable Limits in Air:</b> N/A
<b>Extinguishing Media:</b> Product is not flammable or combustible.
<b>Fire and Explosion Hazards:</b> Contact with some metals may form hydrogen gas. Avoid using in confined, unventilated spaces.
<b>Special Firefighting Procedures:</b> Exercise caution when fighting fires involving chemicals. Respiratory protection is essential--wear self-contained breathing apparatus.

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

**Spill or Leak:** Absorb on vermiculite or other suitable material and place in a container for disposal.

## SECTION 7 – HANDLING AND STORAGE

**Handling Procedures and Equipment:** DANGER! Do not get in eyes, on skin or clothing. Wear chemical splash goggles or face shield, rubber gloves, protective clothing when handling. Harmful if swallowed or inhaled. Avoid breathing vapor or mist. Wash thoroughly after handling. Use only in well ventilated areas that will maintain air levels below limits established by federal, state and local regulations. Read and observe all labeled precautions.

**Storage Requirements:** Keep container closed when not in use.

## SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

**Respiratory Protection:** For vapor or mist exposure, use NIOSH-approved respirator.

**Eye Protection:** Full face shield or goggles.

**Protective Clothing:** Rubber gloves, Rubber apron and boots.

**Exposure Guidelines:** No Data.

**Specific Engineering Controls (such as ventilation, enclosed process):** Local and mechanical exhaust recommended. Use only in well ventilated areas that will maintain air levels below limits established by federal, state and local regulations.

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical Form:</b> Liquid	<b>Freezing Point:</b> N/A°C/N/A°F	<b>% Volatile by Weight:</b> No Data.%
<b>Color:</b> Clear	<b>Vapor Density [air =1]:</b> Unknown	<b>Evaporation Rate:</b> N/A
<b>Odor:</b> Odorless	<b>Vapor Pressure:</b> 0.03	<b>Specific Gravity:</b> 1.584
<b>Boiling Point:</b> 260°C/500°F	<b>Solubility in Water:</b> Complete	<b>pH (concentrate):</b> <1

## SECTION 10 – STABILITY AND REACTIVITY

**Chemical Stability:** Unknown.

**Hazardous Polymerization:** None known.

**Incompatibilities:** Strong caustics, metals and reducing agents.

**Reactive Conditions to avoid:** Unknown.

**Decomposition Products:** Phosphoric acid fumes; phosphorus oxide fumes; hydrogen gas.

## SECTION 11 – TOXICOLOGICAL INFORMATION

<b>Hazardous Ingredients</b>	<b>CAS #</b>	<b>EINECS #</b>	<b>LD 50 of Ingredient (Specify Species)</b>	<b>LC50 of Ingredient (Specify Species)</b>
Phosphoric Acid	7664-38-2		ORAL LD50 1530 mg/kg DERMAL LD50 2740mg/kg	STEL=3mg/m3

## SECTION 12 – ECOLOGICAL INFORMATION

<b>Hazardous Ingredients</b>	<b>Aquatic Toxicity Data</b>
No Data.	

## SECTION 13 – DISPOSAL CONSIDERATIONS

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

**SECTION 14 – TRANSPORTATION INFORMATION**

Special Shipping Information: No Data.

<u>Purview</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
<b>DOT</b> (Land)	Phosphoric Acid	1805	III	Corrosive (8)
<b>IMO</b> (Water)	No Data.			
<b>ICAO</b> (Air)	No Data.			

**SECTION 15 – REGULATORY INFORMATION**

<b>WHMIS Classification:</b> (Workplace Hazardous Material Information System)	Class E - Corrosive Material.
<b>SARA Title III:</b> (Superfund Amendments & Reauthorization Act)	Ingredient subject to reporting under section 313 of Title III (SARA) and 40 CFR 372.
<b>OSHA:</b> (Occupational Safety & Health Administration)	No Data.
<b>TSCA:</b> (Toxic Substance Control Act)	All ingredients are TSCA listed.
<b>VOC:</b> (volatile Organic Compounds)	0%
<b>CPR:</b> (Canadian Controlled Products Regulations)	This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations.
<b>EINECS:</b> (European Inventory of Existing Commercial Chemical Substances)	No Data.
<b>DSL / NDSL:</b> (Canadian Domestic Substance List)(Non-Domestic Substance List)	No Data.
<b>CERCLA:</b> (Comprehensive Response Compensation & Liability Act)	No Data.
<b>IDL:</b> (Canadian Ingredient Disclosure List)	No Data.
<b>NFPA (HMIS) Rating:</b> (Hazardous Materials Identification System)	Health Hazard.....: 2 Fire Hazard.....: 0 Reactivity.....: 0 Specific Hazard...:X

**SECTION 16 – OTHER INFORMATION**

No Data.

The information contained herein is based on the data available to us and is believed to be correct. However, Nu-Calgon Wholesaler Inc. makes no warranty, expressed, or implied, regarding the accuracy of this data or the results to be obtained from the use thereof. Nu-Calgon Wholesaler Inc. assumes no liability for injury from the use of the product described herein.