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MATERIAL SAFETY DATA SHEET

Liquid Ice Machine Cleaner

PDF Version of MSDS

I - PRODUCT IDENTIFICATION

Company Name: Nu-Calgon Wholesaler, Inc.**Tel No:** (314) 469-7000, (800) 554-5499**Address:** 2008 Altom Court, St. Louis, MO 63146-4151**CHEMTREC:** (800) 424-9300**Product Name:** Liquid Ice Machine Cleaner**Product Number:** 4207**Synonyms:** Phosphoric Acid

II - HAZARDOUS INGREDIENTS OF MIXTURES

MATERIAL	CAS#	% By Wt	TLV	PEL
# Phosphoric Acid* (ORAL LD50 1530 mg/kg) (DERMAL LD50 2740mg/kg) *STEL=3mg/m3 # Ingredient subject to reporting under section 313 of Title III (SARA) and 40 CFR 372.	7664-38-2	75	1mg/m3	1mg/m3

All ingredients are TSCA listed.

III - PHYSICAL DATA

Vapor Pressure: 0.03**Vapor Density (Air=1) 60-90°F:** Unknown**Evaporation Rate:** (ether=1) N/A**VOC Content (% by wt.):** 0%**Solubility in H₂O:** Complete**pH @ N/A Solution:** N/A**Freezing Point °F:** N/A**pH as Distributed:** <1**Boiling Point °F:** @500°F**Appearance:** Clear liquid**Specific Gravity H₂O=1 @25°C:** 1.584**Odor:** Odorless

IV - FIRE AND EXPLOSION

Flash Point F: Nonflammable **Flammable Limits:** N/A**Extinguishing Media:** Product is not flammable or combustible.**Special Fire Fighting Procedures:** Exercise caution when fighting fires involving chemicals.

Respiratory protection is essential--wear self-contained breathing apparatus.

Unusual Fire and Explosion Hazards: Contact with some metals may form hydrogen gas. Avoid using in confined, unventilated spaces.

V - REACTIVITY DATA

Stability - Conditions to avoid: Unknown.**Incompatibility:** Strong caustics, metals and reducing agents.**Hazardous Decomposition Products:** Phosphoric acid fumes; phosphorus oxide fumes; hydrogen gas.**Conditions Contributing to Hazardous Polymerizations:** None known.

VI - HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE (Medical Conditions Aggravated/Target Organ Effects),

A. ACUTE (Primary Route of Exposure) EYES: Corrosive. Concentrated solutions are extremely irritating to eyes and may produce burns on contact. SKIN: Corrosive to tissues. May result in skin burns. Severely irritating to skin; repeated contact with more dilute solutions may result in dermatitis. INHALATION: Mist, vapors or aerosols are irritating to respiratory tract and high concentrations may produce pulmonary edema and difficulty in breathing. INGESTION: 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. SUBCHRONIC, CHRONIC, OTHER: No available information was found.

C. MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE:

VII - EMERGENCY AND FIRST AID PROCEDURES

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical aid.

EYES: Immediately flush with plenty of water for at least 15 minutes. Seek medical aid.

SKIN: Immediately wash with soap and plenty of water for 15 minutes while removing contaminated clothing. Seek medical aid.

INGESTION: DO NOT induce vomiting. Give large quantities of water. Seek medical aid. Never give anything by mouth to an unconscious person.

VIII - SPILL OR LEAK PROCEDURE

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

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

IX - PROTECTION INFORMATION/CONTROL MEASURES

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

Eye Protection: Full face shield or goggles. **Glove:** Rubber gloves

Other Clothing and Equipment: Rubber apron and boots.

Ventilation: 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.

X - SPECIAL PRECAUTIONS

Precautions to be taken in Handling and Storing: 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. Keep container closed when not in use.

Additional Information: 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.

NFPA HMIS RATING

Health Hazard.....: 2 Health Hazard.....: 2

Fire Hazard.....: 0 Fire Hazard.....: 0

Reactivity.....: 0 Reactivity.....: 0

Specific Hazard....: Personal Protection....: X (Sec. 9)

Revision Date: 06/22/2006

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