

Material Safety Data Sheet
 May be used to comply with
 OSHA's Hazard Communication Standard,
 29 CFR 1910.1200. Standard must be
 consulted for specific requirements.

U.S. Department of Labor
 Occupational Safety and Health Administration
 (Non-Mandatory Form)
 Form Approved
 OMB No. 1218-0072

IDENTITY (As Used on Label and List) *Tower Master Phosphoric
 Descaler, CMD-4-1, CMD-4-5, CMD-4-55*

*Note: Blank spaces are not permitted. If any item is not applicable, or no
 information is available, the space must be marked to indicate that.*

Section I

Manufacturer's Name <i>Crow Marketing & Distribution, Inc.</i>	Emergency Telephone Number <i>800-255-3924</i>
Address (Number, Street, City, State, and ZIP Code) <i>P. O. Box 29171, Dallas, TX 75229</i>	Telephone Number for Information <i>972-241-3049</i>
	Date Prepared <i>09-09-91 REVIEWED 10/01/06</i>
	Signature of Preparer (Optional)

Section II -- Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH	Other Limits Recommended	% (optional)
<i>TLV H₃PO₄, CAS#7664-38-2, NA1805, Phosphoric Acid (Corrosive) 75% volume</i>	<i>1 mg/m³</i>	<i>1mg/m³</i>	<i>STEL 3 mg/m³</i>	

<i>HMIS INFORMATION</i>	
<i>Health</i>	<i>2</i>
<i>Reactivity</i>	<i>1</i>
<i>Flammability</i>	<i>0</i>

Section III -- Physical/Chemical Characteristics

Boiling Point	<i>N/A</i>	Specific Gravity (H ₂ O = 1)	<i>N/A</i>
Vapor Pressure (mm Hg.)	<i>N/A</i>	Melting Point	<i>N/A</i>
Vapor Density (AIR = 1)	<i>N/A</i>	Evaporation Rate (Butyl Acetate = 1)	<i>N/A</i>
Solubility in Water <i>Complete</i>			
Appearance and Odor <i>Dark to light blue, odor is characteristic</i>			

Section IV -- Fire and Explosion Hazard Data

Flash Point (Method Used) <i>N/A</i>	Flammable Limits <i>N/A</i>	LEL <i>N/A</i>	UEL <i>N/A</i>
Extinguishing Media <i>Not combustible, use water spray, fog, foam, dry chemical, CO₂</i>			
Special Fire Fighting Procedures <i>N/A</i>			
Unusual Fire and Explosion Hazards <i>N/A</i>			

Section V -- Reactivity Data

Stability	Unstable		Conditions to Avoid
	Stable	X	

Incompatibility (Materials to Avoid)

Strong alkalines

Hazardous Decomposition or Byproducts

Alkaline materials can decompose to emit oxides of phosphorous

Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	X	

Section VI -- Health Hazard Data

Route(s) of Entry:	Inhalation? Yes	Skin? Yes	Ingestion? Yes
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Health Hazards (Acute and Chronic)

Vapor can cause burns of skin and eyes and respiratory system. INGESTION: considered an acid corrosive

Carcinogenicity:	NTP? N/A	IARC Monographs? N/A	OSHA Regulated? N/A
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Signs and Symptoms of Exposure

Both liquid and vapor cause severe burns to eyes, skin and respiratory system

Medical Conditions

Generally Aggravated by Exposure *N/A*

Emergency and First Aid Procedures

EYES-SKIN Flush contaminated area with water for 30 minutes. Contact physician.

INGESTION Contact physician immediately (Product listed on Micromedex Poisindex as Tower Master)

Section VII -- Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled

Flush with water, neutralize with soda ash. Keep upwind, evacuate enclosed spaces. Prevent spread of spill, prevent entry into natural waterways.

Waste Disposal Method

Neutralize, dispose down sanitary sewer only. Keep from waterways.

Precautions to Be Taken in Handling and Storing

Store in tightly closed plastic containers away from heat, sparks, or open flames.

Other Precautions

Wash thoroughly after each handling, wash contaminated clothing before reuse.

Section VIII -- Control Measures

Respiratory Protection (Specify Type)

NIOSH/MSHA Inorganic acid vapor. Approved respirator as necessary for excessive exposure.

Ventilation	Local Exhaust <i>Use with adequate ventilation</i>	Special
	Mechanical (General)	Other

Protective Gloves

Non-absorbant chemical resistant

Eye Protection

Rubber goggles or face shield

Other Protective Clothing or Equipment

Chemical resistant apron and boots (protect all body parts which may have possible contact).

Work/Hygienic Practices

Wash areas of contact, do not reuse exposed clothing until after washing.