

# 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) *Coil Master Foaming Condenser  
Coil Cleaner, CMD-1-1, CMD-1-5, CMD-1-55*

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 &amp; 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>972-245-4070</i>
	Date Prepared <i>09-09-91 REVIEWED 03/06/06</i>
	Signature of Preparer (Optional)

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

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
<i>HF, CAS#7664-39-3, NA1790, Hydrofluoric Acid(Corrosive) 40% wt.</i>	<i>3PPM(Vapor)</i>	<i>3PPM or (2.5 mg/m<sup>3</sup>) as F</i>		
<i>H<sub>3</sub>P04, CAS#7664-38-2, NA1805 Phosphoric Acid(Corrosive)75% Volume</i>	<i>1 mg/m<sup>3</sup></i>	<i>1 mg/m<sup>3</sup></i>	<i>STEL 3 mg/m<sup>3</sup></i>	

#### HMIS INFORMATION

<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>200°F</i>	Specific Gravity (H <sub>2</sub> O = 1)	<i>1.105</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

*Miscible*

Appearance and Odor

*Pink to red liquid, characteristic odor, irritating*

### 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

*Not combustible, use water spray, fog, foam, dry chemical, CO<sub>2</sub>*

Special Fire Fighting Procedures

*Wear self-contained or air supplied breathing apparatus when fighting fires near or involving this product.*

Unusual Fire and Explosion Hazards

*Possible presence of hydrogen gas generated when exposed to certain metals. Protect personnel against mist, vapor and splashes.*

**Section V -- Reactivity Data**

Stability	Unstable		Conditions to Avoid N/A
	Stable	X	

Incompatibility (Materials to Avoid)  
*Oxidizing Materials*

Hazardous Decomposition or Byproducts  
*Will not decompose*

Hazardous Polymerization	May Occur		Conditions to Avoid N/A
	Will Not Occur	X	

**Section VI -- Health Hazard Data**

Route(s) of Entry:	Inhalation? Yes	Skin? Yes	Ingestion? Yes
--------------------	--------------------	--------------	-------------------

Health Hazards (Acute and Chronic)  
*Corrosive, causes severe skin and eye burns*

Carcinogenicity:	NTP? N/A	IARC Monographs? N/A	OSHA Regulated? N/A
------------------	-------------	-------------------------	------------------------

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 #335-9589 CMD1)*

**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 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	Use with adequate ventilation	Special
	Yes	Mechanical (General)	Other

Protective Gloves <i>Non-asorbant chemical resistant</i>	Eye Protection <i>Rubber goggles or face shield</i>
---	--

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.*