

**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 Crow Marketing & Distribution, Inc.	Emergency Telephone Number 800-255-3924
Address (Number, Street, City, State, and ZIP Code) P. O. Box 29171, Dallas, TX 75229	Telephone Number for Information 972-241-3049
	Date Prepared 09-09-91      REVIEWED 5/01/03
	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)
HF, CAS#7664-39-3, NA1790, Hydrofluoric Acid(Corrosive) 40% wt.	3PPM(Vapor)	3PPM or (2.5 mg/m <sup>3</sup> ) as F		
H <sub>3</sub> PO <sub>4</sub> , CAS#7664-38-2, NA1805 Phosphoric Acid(Corrosive)75% Volume	1 mg/m <sup>3</sup>	1 mg/m <sup>3</sup>	STEL 3 mg/m <sup>3</sup>	

**HMIS INFORMATION**

Health	2
Reactivity	1
Flammability	0

**Section III -- Physical/Chemical Characteristics**

Boiling Point	200°F	Specific Gravity (H <sub>2</sub> O = 1)	1.105
Vapor Pressure (mm Hg.)	N/A	Melting Point	N/A
Vapor Density (AIR = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	N/A

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) N/A	Flammable Limits N/A	LEL N/A	UEL N/A
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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
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Health Hazards (*Acute and Chronic*)

Corrosive, causes severe skin and eye burns

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 #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 ( <i>General</i> )	Other

## Protective Gloves

Non-asorbant 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.