



Material Safety Data Sheet

U.S. Department of Labor

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

Occupational Safety and Health Administration
 (Non-Mandatory Form)
 Form Approved
 OMB No. 1218-0072

IDENTITY (*As Used on Label and List*)
CTSM

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 ARC Water Treatment Company of Maryland, Inc.	Emergency Telephone Numbers (800) 255-3924
Address (<i>Number, Street, City, State, and ZIP Code</i>) 10620 Riggs Hill Road, Unit J Jessup, MD 20794	Telephone Number for Information (800) 832-3260
	Date Prepared July 1, 2003
	Signature of Preparer (<i>optional</i>)

Section II - Hazard Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	%(<i>optional</i>)
Sodium Molybdate		N/A		
1-Hydroxyethylidene-1, 1-Diphosphonic Acid		3.0 gms/kg (Rats)		
Hydroxyphosphone-Acetic Acid		2.75 gms/kg (Rats)		
Polyacrylic Acid		5.0+ gms/kg (Rats)		
Acrylic Polymer		5.0+ gms/kg (Rats)		
Sodium Mercaptobenzothiazole		5.2 gms/kg (Rats)		
Potassium Hydroxide		365 mg/kg (Rats)		
Maleic Anhydride, hydrolyzed copolymer		2750 mg/kg (Rats)		

Section III - Physical/Chemical Characteristics

Boiling Point	220 F+	Specific Gravity (H2O= 1)	1.20
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	Complete		
Appearance and Odor	Clear, amber liquid		

Section IV – Fire and Explosion Hazard Data

Flash Point (Method Used)	N/A	Flammable Limits	N/A	LEL	N/A	UEL	N/A
Extinguishing Media	Water spray dry chemical, CO2						
Special Fire Fighting Procedures	Wear Self-contained breathing apparatus						
Unusual Fire and Explosion Hazards:	May release sulfur dioxide and oxides of phosphorous at elevated temperatures						

Section V - Reactivity Data

Stability	Unstable		Conditions to Avoid	None
	Stable	X		
Incompatibility (<i>Materials to Avoid</i>)	NONE			
Hazardous Decomposition or Byproducts	NONE			
Hazardous Polymerization	May Occur		Conditions to Avoid	None
	Will Not Occur	X		

Section VI - Health Hazard Data

Route(s) of Entry:	Inhalation? Yes	Skin? Yes	Ingestion? Yes
Health Hazards (<i>Acute and Chronic</i>)	Mucous membrane, eye irritation, skin rash		
Carcinogenicity:	NTP? No	IARC Monographs? No	OSHA Regulated? No
Signs and Symptoms of Exposure	Mucous membrane, eye irritation		
Medical Conditions Generally Aggravated by Exposure	Chronic pulmonary disease, skin irritation		
Emergency and First Aid Procedures. Inhalation: move to fresh air. Give oxygen for breathing difficulty. Skin: flush with cool water. Wash or discard clothing. Ingestion: drink 2-4 glasses of water or milk. DO NOT INDUCE VOMITING. Contact physician. Eyes: Flush at least 15 min. w/cool water. If irritation persists obtain medical attention.			

Section VII - Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled Dilute thoroughly with cold water. Flush to drain if permitted. If not, absorb on inert material, containerize and dispose of in accordance with Federal, State, and local regulations.	
Waste Disposal Method	See above.
Precautions to Be Taken in Handling and Storing	Store in a cool area away from heat sources.
Other Precautions	None

Section VIII - Control Measures

Respiratory Protection (<i>Specify Type</i>)		Mist protective cartridges.	
Ventilation	Local Exhaust Yes	Special	N/A
	Mechanical (<i>General</i>) N/A	Other	N/A
Protective Gloves	PVC or Neoprene	Eye Protection	Goggles
Other Protective Clothing or Equipment Emergency shower and eye wash should be in immediate area.			
Work/Hygienic Practices			