



# Material Safety Data Sheet

# U.S. Department of Labor

OMB No. 1218-0072

**IDENTITY** (As Used on Label and List)  
**CTSM-2**

**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 (Number, Street, City, State, and ZIP Code) 10620 Riggs Hill Road, Unit J Jessup, MD 20794	Telephone Number for Information (800) 832-3260
	Date Prepared January 1, 2005

## Section II - Hazard Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	%(by weight)
Multi-Cor 400 Scale & Corrosion Inhibitor		no CAS assigned		13
AR 540 Corrosion inhibitor		no CAS assigned		8
Methylene-phosphonic Acid Dispersant		CAS 6419-19-8, 29712-30-9		7.5
DB 105 Scale Inhibitor		no CAS assigned		7
Sodium Hydroxide (caustic soda) pH Enhancement		CAS 1310-73-2		3
Sodium Molybdate		CAS 7631-95-0		<1

## Section III - Physical/Chemical Characteristics

Boiling Point	220 F+	Specific Gravity (H2O= 1):	1.15
Vapor Pressure (mm Hg.)	N/A	pH:	8.0
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	Will Not Occur	X	Conditions to Avoid	None

**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: No	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. <b>DO NOT INDUCE VOMITING.</b> 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:		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: N/A			