



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 March 1, 2011

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
Sodium Hydroxide (caustic soda) pH Enhancement		CAS 1310-73-2		11
AR 540 Corrosion Inhibitor		no CAS assigned		8
Methylene-phosphonic Acid Dispersant		CAS 6419-19-8, 13598-36-2		7.5
Sodium Molybdate Inhibitor/Tracer		CAS 7631-95-0		7.5
Tolytriazole Corrosion Inhibitor		CAS 64665-57-2		3.5
Polyacrylicmaleic Polymer Scale Inhibitor		no CAS assigned		2.5
Sodium Glucoheptonate Coloring		CAS 31138-65-5		<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. 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:		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			