

Material Safety Data Sheet

Section I

Product Name				CW-879L			
Emergency Telephone No.		(616) 241 - 4684		Date Issued		2/23/2009	
Manufacturer's Name and Address		Mitco, Inc. 1601 Steele S.W. Grand Rapids, MI 49507		Supersedes		8/23/2007	
				Chemical Family		Aqueous Mixture	
Hazardous Material Description, Shipping Name Hazard Class, Hazard ID No.(49 CFR 172.101)				None			

Section II – HAZARDOUS INGREDIENTS

Chemical Name	CAS Registry Number	Listed as Carcinogen or Potential Carcinogen					Reporting Required
		National Toxicology Program	I.A.R.C. Monograph	OSHA	OSHA Permissible Exposure Limit	ACGIH Threshold Limit Value	
None							Sec. 313 of Title III And 40CFR 372

Section III – PHYSICAL DATA

Boiling Point (°F)	212°F	Specific Gravity (H2O = 1)	1.0-1.1
Vapor Pressure (mm Hg)	17.5 @ 20°C	Percent, Volatile By Volume (%)	N/A
Vapor Density (AIR = 1)	1	Evaporation Rate (Water = 1)	1
Solubility in Water	Complete	pH	6
Appearance and Odor	Slightly yellow solution with sweet irritating odor.		

Section IV – FIRE AND EXPLOSION HAZARD DATA

Flash Point (°F)	>200	Flammable Limits	LEL	N/A
Method Used	N/A		UEL	N/A
Extinguishing Media	Use extinguishing media appropriate for surrounding fire.			
Special Fire Fighting Procedures	N/A			
Unusual Fire and Explosion Hazards	N/A			

Section V – HEALTH HAZARD DATA

Primary Routes of Entry	Inhalation	No	Skin Contact	Yes	Eyes	Yes
Effects of Overexposure	Irritating to eyes and skin. Handle in accordance with good industrial hygiene and safety practices. These practices include avoiding unnecessary exposure and removal of the material from eyes, skin, and clothing.					
Emergency and First Aid Procedures	In case of contact with skin, wash at once with soap and water. For eyes, flush with water for at least 15 minutes and get medical attention. Wash contaminated clothing before reuse.					

Section VI – REACTIVITY DATA

Chemical Stability	Stable	Hazardous Polymerization	Will not occur
Conditions to Avoid	N/A		
Incompatibility (materials to avoid)	None known.		
Hazardous Decomposition Products	Thermal decomposition or combustion may produce oxides of nitrogen.		

Section VII – SPILL OR LEAK PROCEDURES

Steps to be taken in Case Material is Released or Spilled	Contain spill if possible. Avoid personal contact. Wipe up and absorb with suitable material and shovel up. Flush area with water.
Waste Disposal Method	Use as intended in cooling tower. Small volume can be treated as sanitary waste.

Section VIII – SPECIAL PROTECTION INFORMATION

Respiratory Protection	Not necessary						
Ventilation	Not Necessary	Local Exhaust	N/A	Mechanical (General)	N/A	Special	N/A
Eye Protection	Chemical goggles						
Protective Gloves	Rubber						
Other Protective Clothing or Equipment	N/A						

Section IX – SPECIAL PRECAUTIONS

Precautions to be Taken in Handling and Storage	None
Other Precautions	None



AQUATIC TOXICITY DATA FOR SELECTED

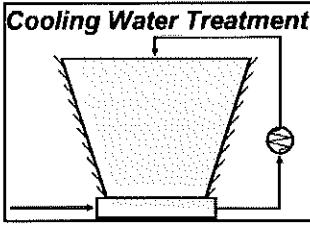
DUBOIS PRODUCTS

for
Blommer Chocolate
East Greenville, PA

April 16, 2014

CW-879L

Daphnia magna	48 hr LC ₅₀	=	960 mg/L
Fathead Minnow	96 hr LC ₅₀	=	420 mg/L



Product Bulletin

CW-879L Deposit Inhibitor

DESCRIPTION

Mitco CW-879L Deposit Penetrant functions to reduce the liquid surface tension of the recirculating water so as to increase the effectiveness of both organic and inorganic microbiocides. Water treated with CW-879L, thoroughly wets all insolubles including inorganic salts, dirt, silt and organics for optimum removal from process heat exchange surfaces. The wetted insolubles are less likely to agglomerate and will resist adhering to metal surfaces leaving metallurgy cleaner, heat transfer more efficient and the system generally less susceptible to degradation via corrosion and deposition. Enhancing biocide penetration through tough slime masses makes it possible to reduce biocide concentrations without sacrifice to performance. CW-879L also permits more efficient evaporation by producing a smaller water droplet with increased surface area exposed to the surrounding air, allowing for less fan time and lower overall energy costs. CW-879L Deposit Penetrant is recommended as a supplemental treatment in all cooling water systems.

ADVANTAGES

- Increases effectiveness of both organic and inorganic microbiocides.
- Promotes cleaner metal surfaces for more efficient heat transfer.
- Produces a smaller water droplet to achieve more efficient evaporation across the cooling tower.
- Convenient, easy to feed liquid formulation permits optimum treatment control, eliminates batch mixing and promotes worker handling safety.

PRODUCT DATA

Appearance.....Pale yellow solution with sweet odor
 Weight/Gallon.....8.35 Lbs
 pH (Neat).....6.0
 Freeze Point.....26°F

DOSAGE

Mitco CW-879L is effective over a dosage range of 30-60 ppm, as product. Greater amounts may produce undesirable foaming conditions. Antifoaming agents are acceptable for control. Your Mitco representative will provide directions for use in accordance with the specific requirements of your system.

FEEDING

CW-879L may be fed directly from the shipping container or diluted with clean water in a chemical mix tank. Your Mitco representative will provide specific feed recommendations to ensure optimum treatment results.

HANDLING

Handle in accordance with good industrial hygiene and safety practices. Avoid direct contact with skin or eyes to prevent irritation. Wash thoroughly after handling. CW-879L should not be ingested. Refer to the Material Safety Data Sheet for additional information.

PACKAGING

Mitco CW-879L is available in 55, 30 and 15 gallon non-returnable drums, 5 gallon pails and in Bulk.

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