

Material Safety Data Sheet

SECTION I

MS DS
SENT TO
SAFETY OFFICER
DATE 2-2-85

Product Name or Number (as it appears on label) No. 724 Low Hardness Buffer Reagent		Emergency Telephone No. 616-241-4684
Manufacturer's Name Mitco, Inc.		Date Issued 11-14-85
Address (Number, Street, City, State and Zip Code) 1601 Steele Avenue S.W., Grand Rapids, MI 49507		Supersedes 0
Hazardous Material Description, Proper Shipping Name, Hazard Class, Hazard ID No. (49 CFR 172.101) None		
Chemical Family Aqueous Mixture	Formula N/A	

SECTION II — HAZARDOUS INGREDIENTS

Chemical Name and CAS Registry No. Ethanolamine 141-43-5			
Chemical Listed as Carcinogen or Potential Carcinogen	National Toxicology Program Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	I.A.R.C. Monographs Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	OSHA Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
OSHA Permissible Exposure Limit 6mg/M³	ACGIH Threshold Limit Value 8mg/M³	Other Exposure Limit Used N/A	
Chemical Name and CAS Registry No. N/A			
Chemical Listed as Carcinogen or Potential Carcinogen	National Toxicology Program Yes <input type="checkbox"/> No <input type="checkbox"/>	I.A.R.C. Monographs Yes <input type="checkbox"/> No <input type="checkbox"/>	OSHA Yes <input type="checkbox"/> No <input type="checkbox"/>
OSHA Permissible Exposure Limit	ACGIH Threshold Limit Value	Other Exposure Limit Used	
Chemical Name and CAS Registry No. N/A			
Chemical Listed as Carcinogen or Potential Carcinogen	National Toxicology Program Yes <input type="checkbox"/> No <input type="checkbox"/>	I.A.R.C. Monographs Yes <input type="checkbox"/> No <input type="checkbox"/>	OSHA Yes <input type="checkbox"/> No <input type="checkbox"/>
OSHA Permissible Exposure Limit	ACGIH Threshold Limit Value	Other Exposure Limit Used	

SECTION III — PHYSICAL DATA

Boiling Point (°F.)	250	Specific Gravity (H ₂ O = 1)	1.06
Vapor Pressure (mm Hg.)	12	Percent, Volatile By Volume (%)	70
Vapor Density (AIR = 1)	1.1	Evaporation Rate (Ether = 1)	> 1
Solubility in Water	Complete		
Appearance and Odor	Water white liquid with very mild ammoniacal odor.		

SECTION IV — FIRE AND EXPLOSION HAZARD DATA

Flash Point 7220° F	method used N/A	Flammable Limits	LEL 6.5	UEL 16.6
Extinguishing Media Carbon dioxide, dry chemical.				
Special Fire Fighting Procedures N/A				
Unusual Fire and Explosion Hazards N/A				

SECTION V — HEALTH HAZARD DATA

Effects of Overexposure — Conditions to Avoid	Primary Routes of Entry Inhalation <input type="checkbox"/> Skin Contact <input checked="" type="checkbox"/> Other (specify)
Irritation to skin and eyes. 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

Stability	Unstable		Conditions to Avoid N/A
	Stable	X	
Incompatibility (material to avoid) None known			
Hazardous Decomposition Products: None known			
Hazardous Polymerization	May Occur		Conditions to Avoid N/A
	Will Not Occur	X	

SECTION VII — SPILL OR LEAK PROCEDURES

Steps To Be Taken In Case Material Is Released Or Spilled Flush to drain with water.
Waste Disposal Method Flush to drain with water.

SECTION VIII — SPECIAL PROTECTION INFORMATION

Respiratory Protection (Specify Type) Not normally necessary			
Ventilation N/A	Local Exhaust N/A	Mechanical (General) N/A	Special N/A
Protective Gloves Not practical		Eye Protection Safety glasses	
Other Protective Clothing or Equipment N/A			

SECTION IX — SPECIAL PRECAUTIONS

Precautions to be Taken in Handling and Storing N/A
Other Precautions N/A