

Material Safety Data Sheet

SECTION I

MS DS
SENT TO
SAFETY OFFICER
DATE 2-4-87

Product Name or Number (as it appears on label) No. 633 Calcium Buffer Solution		Emergency Telephone No. 616-241-4684
Manufacturer's Name Mitco, Inc.		Date Issued 11-8-85
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) Corrosive Liquid, N.O.S., UN1760, "LTD QTY"		
Chemical Family Aqueous Mixture	Formula N/A	

SECTION II — HAZARDOUS INGREDIENTS

Chemical Name and CAS Registry No. Sodium Hydroxide 1310-73-2			
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 2mg/M ³	ACGIH Threshold Limit Value 2mg/M ³ (ceiling)	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.)	217	Specific Gravity (H ₂ O = 1)	1.2
Vapor Pressure (mm Hg.) @ 20° C	17.5	Percent, Volatile By Volume (%)	85
Vapor Density (AIR = 1)	1	Evaporation Rate (water = 1)	1
Solubility in Water	Complete		
Appearance and Odor	Clear solution, no odor.		

SECTION IV — FIRE AND EXPLOSION HAZARD DATA

Flash Point None	method used N/A	Flammable Limits	LEL N/A	UEL N/A
Extinguishing Media N/A				
Special Fire Fighting Procedures N/A				
Unusual Fire and Explosion Hazards N/A				

SECTION V — HEALTH HAZARD DATA

Effects of Overexposure — Conditions to Avoid Corrosive 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.	Primary Routes of Entry Inhalation <input type="checkbox"/> Skin Contact <input checked="" type="checkbox"/> Other (specify)
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
	Stable	X	N/A
Incompatibility (material to avoid)			
Strong acids.			
Hazardous Decomposition Products:			
None known.			
Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	X	N/A

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 necessary			
Ventilation	Local Exhaust	Mechanical (General)	Special
Not necessary	N/A	N/A	N/A
Protective Gloves		Eye Protection	
Not practical		Advisable	
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