

# Material Safety Data Sheet

## SECTION I

MS DS  
SENT TO  
SAFETY OFFICER  
DATE 2-4-85

Product Name or Number (as it appears on label) <b>No. 665 Nitric Acid, 0.25M</b>		Emergency Telephone No. <b>616-241-4684</b>
Manufacturer's Name <b>Mitco, Inc.</b>		Date Issued <b>11-12-85</b>
Address (Number, Street, City, State and Zip Code) <b>1601 Steele Avenue S.W., Grand Rapids, MI 49507</b>		Supersedes <b>0</b>
Hazardous Material Description, Proper Shipping Name, Hazard Class, Hazard ID No. (49 CFR 172.101) <b>Corrosive Liquid, N.O.S., UN1760 "LTD QTY"</b>		
Chemical Family <b>Aqueous Mixture</b>	Formula <b>N/A</b>	

## SECTION II — HAZARDOUS INGREDIENTS

Chemical Name and CAS Registry No. <b>Nitric Acid 7697-37-2</b>			
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 <b>5mg/M<sup>3</sup></b>	ACGIH Threshold Limit Value <b>5mg/M<sup>3</sup></b>	Other Exposure Limit Used <b>N/A</b>	
Chemical Name and CAS Registry No. <b>N/A</b>			
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. <b>N/A</b>			
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.)	212	Specific Gravity (H <sub>2</sub> O = 1)	1.0
Vapor Pressure (mm Hg.) @ 20° C	17.5	Percent, Volatile By Volume (%)	N/A
Vapor Density (AIR = 1)	1	Evaporation Rate (water = 1)	1
Solubility in Water	Complete		
Appearance and Odor	Clear solution with 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

<b>Effects of Overexposure — Conditions to Avoid</b>  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.	<b>Primary Routes of Entry</b> Inhalation <input type="checkbox"/> Skin Contact <input checked="" type="checkbox"/> Other (specify)
<b>Emergency and First Aid Procedures</b>  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

<b>Stability</b>	<b>Unstable</b>		<b>Conditions to Avoid</b>
	<b>Stable</b>	<b>X</b>	N/A
<b>Incompatibility (material to avoid)</b> Strong alkaline materials. Corrosive to most metals.			
<b>Hazardous Decomposition Products:</b> Oxides of nitrogen.			
<b>Hazardous Polymerization</b>	<b>May Occur</b>		<b>Conditions to Avoid</b>
	<b>Will Not Occur</b>	<b>X</b>	N/A

## SECTION VII — SPILL OR LEAK PROCEDURES

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

## SECTION VIII — SPECIAL PROTECTION INFORMATION

<b>Respiratory Protection (Specify Type)</b> Not normally necessary			
<b>Ventilation</b>	Local Exhaust N/A	Mechanical (General) Adequate to remove fumes.	Special
<b>Protective Gloves</b>	Not practical	<b>Eye Protection</b>	Advisable
<b>Other Protective Clothing or Equipment</b> N/A			

## SECTION IX — SPECIAL PRECAUTIONS

<b>Precautions to be Taken In Handling and Storing</b>
N/A
<b>Other Precautions</b>
N/A