

MATERIAL SAFETY DATA SHEET
 LaMOTTE COMPANY
 PO BOX 329 - CHESTERTOWN - MARYLAND - 21620
 TELEPHONE # FOR INFORMATION 410-778-3100
24 Hour Emergency Number (CHEM-TEL) 800-255-3924

1. PRODUCT IDENTIFICATION

Mixed Acid Reagent

Code Nr. V-6278

2. HAZARDOUS INGREDIENTS

NAME	CAS #	TSCA #	%	PEL	TLV
Acetic Acid	64-19-7		2	10 ppm	25 mg/cubic m
Copper Sulfate, 5-hydrate	7758-99-8		<0.1	1 mg/cubic m as Cu	1 mg/cubic m as Cu
Ammonium Chloride	12125-02-9		17	10mg/cubic m	10mg/cubic m
Sodium Phosphate, Dibasic	7558-79-4		2	N/E	N/E

3. NON-HAZARDOUS INGREDIENTS EXCEPT WATER (7732-18-5)

NAME	CAS #	%
Sodium Chloride	7647-14-5	10
Citric Acid, anhydrous	77-92-9	4
Water to 100%		

4. PHYSICAL DATA

Appearance: Clear, light Blue-green Liquid
Solubility in Water: Soluble *Odor:* Vinegar *Boiling Point:* > 100 deg C *Melt. Point:* N/A
Vapor Pressure: < 17 @ 20 deg C *Vapor Density:* <1 (Air=1) *pH:* 2

5. FIRE AND EXPLOSION DATA

Flash Point (method used): N/A *Flammable Limit: LEL:* N/A *UEL:* N/A
Extinguishing Media: Not a fire hazard
HMIS Hazard: Health - 1 Flammability - 0 Reactivity - 0 Scale: 4 = Extreme, 3 = High, 2 = Moderate, 1 = Slight, 0 = Least
Special Fire Fighting Procedures:
 Firefighters wear SCBA.
Unusual Fire & Explosion Hazard:
 N/A

6. REACTIVITY DATA

Stability: *Conditions to avoid:* Heat
 Stable *Incompatibility (Materials to avoid):*
 Strong oxidizers, bases, silver compounds, metals
 Unstable
Hazardous Decomposition Products: ammonia, hydrogen chloride

7. HEALTH HAZARD DATA

Toxicity: orl rat LD50: 1650 mg/kg for ammonium chloride, solid
Primary Route of Entry: *Inhalation* *Skin* *Carcinogenicity:* *None* *NTP*
 Ingestion *N/A* *OSHA* *IARC*
Other Health Related Comments:
Target Organs: N/A
Signs and symptoms of exposure:
 May be harmful if swallowed. May irritate eyes, skin, respiratory tract.
Medical Condition Aggravated by Exposure: N/A

8. EMERGENCY FIRST AID PROCEDURES

Eye Contact: Flush with water for 15 minutes.
Ingestion: Rinse mouth, drink glass of water. Consult a physician.
Inhalation:
 Remove to fresh air.
Skin Contact:
 Flush thoroughly with water. Wash with soap and water.

9. SPILL AND DISPOSAL PROCEDURES

Spill and Leak:
 Neutralize with sodium bicarbonate. Mop up and flush down drain with excess water.
Disposal:
 Neutralize and flush down drain with excess water. Dispose according to federal, state and local regulations.

10. PRECAUTIONARY MEASURES

In Handling: *Gloves* *Eve Protection* *N/A* *Other:* Lab Coat
Ventilation *Normal* *Mechanical* *Respiratory Protection*
Work/Hygienic Practices: N/A

11. SPECIAL PRECAUTIONS

N/A

DATE: 12/30/99 The above information is believed to be correct but does not claim to be all inclusive and should be used only as a guide.

† This is a toxic chemical subject to reporting requirements of section 313 of EPCRA and 40CFR372.