MATERIAL SAFETY DATA SHEET

LaMOTTE COMPANY
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1. PRODUCT IDENTIFICATION

Phosphate Acid Reagent *Code Nr.* **V-6282**

2. HAZARDOUS INGREDIENTS

NAME	CAS #	TSCA #	%	PEL	TLV
^ Sulfuric Acid	7664-93-9		12	1 mg/cubic m	1 mg/cubic m
Ammonium Molybdate	12054-85-2		<1	N/E	N/E
Antimony Potassium Tartrate	28300-74-5	11071-15-1	<0.1	N/A	N/A

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

NAME	CAS #	%
Water to 100%		

4. PHYSICAL DATA

Appearance: Clear Colorless Liquid

Solubility in Water: Soluble	*Odor:* Slight	*Boiling Point:* Unknown	*Melt. Point:* N/A
Vapor Pressure: Unknown	*Vapor Density:* Unknown	*pH:* <1	

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 - 2 *Flammability -* 0 *Reactivity -* 1 *Scale: 4 = Extreme, 3 = High, 2 = Moderate, 1 = Slight, 0 = Least*

Special Fire Fighting Procedures:
Firefighters wear self-contained breathing apparatus

Unusual Fire & Explosion Hazard:
A violent exothermic reaction occurs with water. May react with metals to liberate flammable, explosive hydrogen gas.

6. REACTIVITY DATA

Stability:
☒ *Stable*
☐ *Unstable*

Conditions to avoid: N/A

Incompatibility (Materials to avoid):
Water, metals, organic or combustible materials, and strong bases.

Hazardous Decomposition Products: SOx, hydrogen gas

7. HEALTH HAZARD DATA

Toxicity: orl rat LD50: 2140 mg/kg for sulfuric acid, concentrated

Primary Route of Entry: ☐ *Inhalation* ☒ *Skin* ☒ *Ingestion* ☐ *N/A*

Carcinogenicity: ☒ *None* ☐ *NTP* ☐ *OSHA* ☐ *IARC*

Other Health Related Comments:

Target Organs: Corrosive to all body parts,

Signs and symptoms of exposure:
Severe burns. Ingestion may be fatal. Inhalation can cause coughing, chest pains, damage to lungs.

Medical Condition Aggravated by Exposure: N/A

8. EMERGENCY FIRST AID PROCEDURES

Eye Contact: Immediately flush with water for 15 minutes. Get prompt medical attention.

Ingestion: Do not induce vomiting. Rinse out mouth. Drink plenty of water. Call a doctor immediately.

Inhalation:
Remove to fresh air. If breathing is difficult give oxygen.

Skin Contact:
Immediately flush with water for 15 minutes while removing affected clothing. Consult a physician.

9. SPILL AND DISPOSAL PROCEDURES

Spill and Leak:
Cover contaminated surface with sodium bicarbonate. Mix and carefully add water to form slurry. Scoop up and flush down drain with excess water.

Disposal:
Add slowly to a large volume of soda ash - slaked lime. Flush neutralized solution down drain with excess water. Dispose according to federal, state and local regulations.

10. PRECAUTIONARY MEASURES

In Handling: ☒ *Gloves* ☒ *Eye Protection* ☐ *N/A* ☒ *Other:* Lab Coat

Ventilation ☒ *Normal* ☐ *Mechanical* ☐ *Respiratory Protection*

Work/Hygienic Practices: Avoid contact with eyes, skin and clothing.

11. SPECIAL PRECAUTIONS

Store away from alkalies.

DATE: 4/17/02

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.