

MATERIAL SAFETY DATA SHEET

LaMOTTE COMPANY
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24 Hour Emergency Number (CHEM-TEL) 800-255-3924

1. PRODUCT IDENTIFICATION

Ammonia Nitrogen Test Solution (Nessler Reagent) *Code Nr. 5103*

2. HAZARDOUS INGREDIENTS

NAME	CAS #	TSCA #	%	PEL	TLV
Potassium Hydroxide	1310-58-3		15	2 mg/cubic m	C 2 mg/cubic m
Mercuric Chloride	7487-94-7		3.3	N/A	0.1 mg/cubic m
Warning! This product contains mercury or mercury compounds, chemicals known to the state of California to cause birth defects or other reproductive harm.					

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

NAME	CAS #	%
Potassium Iodide	7681-11-0	6
Water to 100%		

4. PHYSICAL DATA

Appearance: Clear Light yellow Liquid
Solubility in Water: Soluble *Odor:* None *Boiling Point:* Unknown *Melt. Point:* N/A
Vapor Pressure: Unknown *Vapor Density:* Unknown *pH:* 14

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 - 3 Flammability - 0 Reactivity - 2 Scale: 4 = Extreme, 3 = High, 2 = Moderate, 1 = Slight, 0 = Least
Special Fire Fighting Procedures:
 N/A
Unusual Fire & Explosion Hazard:
 N/A

6. REACTIVITY DATA

Stability: *Conditions to avoid:* N/A
 Stable *Incompatibility (Materials to avoid):*
 Strong acids, metals
 Unstable *Hazardous Decomposition Products:* N/A

7. HEALTH HAZARD DATA

Toxicity: orl rat LD50: 1 mg/kg; skin rat LD50: 41 mg/kg (for mercuric chloride solid)
Primary Route of Entry: *Inhalation* *Skin* *Carcinogenicity:* *None* *NTP*
 Ingestion *N/A* *OSHA* *IARC*
Other Health Related Comments:
 Mercuric chloride can have toxic effects on nervous system and is a possible mutagen.
Target Organs: Corrosive to all body parts,
Signs and symptoms of exposure:
 Poisonous. Causes severe burns, may be fatal if swallowed.
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. Consult a physician.
Skin Contact:
 Immediately flush with water for 15 minutes while removing affected clothing and shoes. Consult physician.

9. SPILL AND DISPOSAL PROCEDURES

Spill and Leak:
 Absorb on inert material or spill pads. Place into a clean, dry plastic pail and cover with lid. Dispose of as hazardous waste. Do not pour down sinks and drains.
Disposal:
 Any free liquid waste may be treated with ammonium hydroxide to precipitate the mercury; the precipitated mercury "sludge" must be disposed of as hazardous waste, in accordance with 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: No eating or smoking while handling. Wash after handling.

11. SPECIAL PRECAUTIONS

Avoid contact with skin and clothing.

DATE: 5/27/03 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.