

# MATERIAL SAFETY DATA SHEET

LaMOTTE COMPANY  
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## 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
Λ 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  
**HMS 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:**  Stable  Unstable **Conditions to avoid:** N/A  
**Incompatibility (Materials to avoid):** Strong acids, metals  
**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  Ingestion  N/A **Carcinogenicity:**  None  OSHA  NTP  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 (kitty litter) 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:** 6/16/2000 The above information is believed to be correct but does not claim to be all inclusive and should be used only as a guide.

Λ This is a toxic chemical subject to reporting requirements of section 313 of FPCRA and 40CFR372