

# MATERIAL SAFETY DATA SHEET

LaMOTTE COMPANY  
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## 1. PRODUCT IDENTIFICATION

**Aluminum Test Solution**

Code Nr. **5101**

## 2. HAZARDOUS INGREDIENTS

NAME	CAS #	TSCA #	%	PEL	TLV
^ Isopropanol	67-63-0		>99	400 ppm	400 ppm

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

NAME	CAS #	%
Hematein	475-25-2	0.1

## 4. PHYSICAL DATA

<i>Appearance:</i> Clear Red Liquid			
<i>Solubility in Water:</i> Soluble	<i>Odor:</i> Alcohol	<i>Boiling Point:</i> 82 deg C	<i>Melt. Point:</i> N/A
<i>Vapor Pressure:</i> 33mm Hg@ 20degC	<i>Vapor Density:</i> 2 (Air=1)	<i>pH:</i> N/A	

## 5. FIRE AND EXPLOSION DATA

<i>Flash Point (method used):</i> 17 deg C-closed cup	<i>Flammable Limit: LEL:</i> 2%	<i>UEL:</i> 12%
<i>Extinguishing Media:</i> Dry chemical, CO2, or water spray		
<i>HMS Hazard: Health - 1 Flammability - 3 Reactivity - 0</i> <i>Scale: 4 = Extreme, 3 = High, 2 = Moderate, 1 = Slight, 0 = Least</i>		
<i>Special Fire Fighting Procedures:</i> Firefighters wear self-contained breathing apparatus		
<i>Unusual Fire &amp; Explosion Hazard:</i> Vapors may travel to ignition source and flash back.		

## 6. REACTIVITY DATA

<i>Stability:</i>	<i>Conditions to avoid:</i> Heat, sources of ignition
<input checked="" type="checkbox"/> <i>Stable</i>	<i>Incompatibility (Materials to avoid):</i> Contact with nitric acid or other strong oxidizers
<input type="checkbox"/> <i>Unstable</i>	
<i>Hazardous Decomposition Products:</i> COx	

## 7. HEALTH HAZARD DATA

<i>Toxicity:</i> orl rat LD50: 5840 mg/kg for isopropanol; orl hmn LDLo: 3570 mg/kg			
<i>Primary Route of Entry:</i>	<input checked="" type="checkbox"/> <i>Inhalation</i>	<input checked="" type="checkbox"/> <i>Skin</i>	<i>Carcinogenicity:</i> <input checked="" type="checkbox"/> <i>None</i> <input type="checkbox"/> <i>NTP</i>
	<input checked="" type="checkbox"/> <i>Ingestion</i>	<input type="checkbox"/> <i>N/A</i>	<input type="checkbox"/> <i>OSHA</i> <input type="checkbox"/> <i>IARC</i>
<i>Other Health Related Comments:</i>			
<i>Target Organs:</i> Eyes, Lungs, Skin, Central Nervous System			
<i>Signs and symptoms of exposure:</i> Vapor and liquid harmful. Irritating to eyes, nose and skin. Inhalation causes dizziness, headache, drowsiness, difficult breathing.			
<i>Medical Condition Aggravated by Exposure:</i> N/A			

## 8. EMERGENCY FIRST AID PROCEDURES

<i>Eye Contact:</i> Immediately flush with water for 15 minutes. Consult physician.
<i>Ingestion:</i> Do not induce vomiting. Drink plenty of water. Call a doctor immediately.
<i>Inhalation:</i> Remove to fresh air. If breathing is difficult, give oxygen.
<i>Skin Contact:</i> Flush skin with water. Wash with soap and water.

## 9. SPILL AND DISPOSAL PROCEDURES

<i>Spill and Leak:</i> Eliminate all sources of ignition. Absorb on paper. Evaporate on iron pan in hood.
<i>Disposal:</i> Small quantity: Flush down drain with excess water. Large quantity: Atomize into incinerator. Dispose according to federal, state and local regulations.

## 10. PRECAUTIONARY MEASURES

<i>In Handling:</i> <input checked="" type="checkbox"/> <i>Gloves</i> <input checked="" type="checkbox"/> <i>Eve Protection</i> <input type="checkbox"/> <i>N/A</i> <input checked="" type="checkbox"/> <i>Other:</i> Lab Coat
<i>Ventilation</i> <input type="checkbox"/> <i>Normal</i> <input checked="" type="checkbox"/> <i>Mechanical</i> <input type="checkbox"/> <i>Respiratory Protection</i>
<i>Work/Hygienic Practices:</i> Use with adequate ventilation and avoid contact with skin and eyes.

## 11. SPECIAL PRECAUTIONS

Do not use near heat or flame
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**DATE:** 4/11/2000      The above information is believed to be correct but does not claim to be all inclusive and should be used only as a guide.

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