



# 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

**n-Propyl Alcohol  
For mercury reagent system**

*Code Nr.* **4863**

## 2. HAZARDOUS INGREDIENTS

NAME	CAS #	TSCA #	%	PEL	TLV
n-Propanol; (1-Propanol)	71-23-8		>99.5%	200 ppm	200 ppm

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

NAME	CAS #	%
None		

## 4. PHYSICAL DATA

<i>Appearance:</i> Clear Colorless Liquid			
<i>Solubility in Water:</i> Soluble	<i>Odor:</i> alcohol	<i>Boiling Point:</i> 97 deg C	<i>Melt. Point:</i> N/A
<i>Vapor Pressure:</i> 15 mm @ 20 degC	<i>Vapor Density:</i> 2 gm/liter	<i>pH:</i> N/A	

## 5. FIRE AND EXPLOSION DATA

<i>Flash Point (method used)</i> 22 deg C; 72 deg F	<i>Flammable Limit: LEL:</i> 2.2	<i>UEL:</i> 14
<i>Extinguishing Media:</i> Water spray, CO2, foam		
<i>HMIS Hazard: Health - 2 Flammability - 3 Reactivity - 0</i> <span style="float: right;"><i>Scale: 4 = Extreme, 3 = High, 2 = Moderate, 1 = Slight, 0 = Least</i></span>		
<i>Special Fire Fighting Procedures:</i> Wear self contained breathing apparatus and protective clothing to prevent inhalation and contact with eyes.		
<i>Unusual Fire &amp; Explosion Hazard:</i> Vapor may travel distance to source of ignition 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> Alkalies, oxidizers, strong acids (nitric or sulfuric), metals
<input type="checkbox"/> <i>Unstable</i>	<i>Hazardous Decomposition Products:</i> COx; Emits toxic fumes under fire conditions.

## 7. HEALTH HAZARD DATA

<i>Toxicity:</i> orl rat LD50: 1870 mg/kg for n-propanol	
<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> For n-Propanol: Possible cancer hazard (tumors), reproductive effects--male infertility, fetotoxicity in animal test	
<i>Target Organs:</i> Eyes, Skin, Respiratory System, Central Nervous System	
<i>Signs and symptoms of exposure:</i> Irritating to eyes and skin. Vapors may be irritating to throat and lungs. Harmful if swallowed.	
<i>Medical Condition Aggravated by Exposure:</i> N/A	

## 8. EMERGENCY FIRST AID PROCEDURES

<i>Eye Contact:</i> Flush thoroughly with water. Consult physician.
<i>Ingestion:</i> Drink 1 - 2 glasses of water. Get prompt medical attention.
<i>Inhalation:</i> Remove to fresh air.
<i>Skin Contact:</i> Flush thoroughly with water. Wash with soap and water.

## 9. SPILL AND DISPOSAL PROCEDURES

<i>Spill and Leak:</i> Remove sources of ignition. Ventilate area. Wear gloves & eye protection to mop up or absorb on spill pads. Small amounts can be flushed down drain with excess water. Larger quantities should be disposed of as hazardous waste.
<i>Disposal:</i> Small quantities: Pour down drain with excess water. Larger amounts: Dispose of as hazardous waste, 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>Eye 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 checked="" type="checkbox"/> <i>Respiratory Protection</i>
<i>Work/Hygienic Practices:</i> Avoid contact with skin and clothing, and inhalation of vapor.

## 11. SPECIAL PRECAUTIONS

Use with adequate ventilation

**DATE:** 6/17/02                                    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.

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TELEPHONE # FOR INFORMATION 410-778-3100

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

## 1. PRODUCT IDENTIFICATION

TMK tablets  
(Mercury Test Tablet)

Code Nr. **4862**

## 2. HAZARDOUS INGREDIENTS

NAME	CAS #	TSCA #	%	PEL	TLV
Thiomichler's Ketone (TMK); 4,4'-Bis(dimethylamino)thiobenzophenone	1226-46-6		<3	N/E	N/E
All other ingredients are proprietary, NJTSRN 80100291-5096p					

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

NAME	CAS #	%
all other ingredients are proprietary, NJTSRN 80100291-5096p		

## 4. PHYSICAL DATA

Appearance: Brown Tablet	Solubility in Water: slight	Odor: None	Boiling Point: N/A	Melt. Point: Unknown
Vapor Pressure: N/A	Vapor Density: N/A	pH: ca. 6 in water		

## 5. FIRE AND EXPLOSION DATA

Flash Point (method used) N/A	Flammable Limit: LEL: N/A	UEL: N/A		
Extinguishing Media: Dry chemical, CO2, or water spray	HMIS Hazard: Health - 1	Flammability - 0	Reactivity - 0	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: <input checked="" type="checkbox"/> Stable <input type="checkbox"/> Unstable	Conditions to avoid: Heat, light, moisture	Incompatibility (Materials to avoid): Strong oxidizers	Hazardous Decomposition Products: COx, NOx, SOx
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## 7. HEALTH HAZARD DATA

Toxicity: Unknown	Primary Route of Entry: <input type="checkbox"/> Inhalation <input checked="" type="checkbox"/> Ingestion <input type="checkbox"/> Skin <input type="checkbox"/> N/A	Carcinogenicity: <input checked="" type="checkbox"/> None <input type="checkbox"/> OSHA <input type="checkbox"/> NTP <input type="checkbox"/> IARC
Other Health Related Comments: A chemical related to TMK (Michlers ketone) is a human carcinogen.	Target Organs: N/A	Signs and symptoms of exposure: May irritate eyes and skin. Ingestion of large quantities may cause gastrointestinal irritation and circulatory problems.
Medical Condition Aggravated by Exposure: N/A		

## 8. EMERGENCY FIRST AID PROCEDURES

Eye Contact: Flush thoroughly with plenty of water.	Ingestion: Drink water. Consult physician.
Inhalation: N/A	Skin Contact: Rinse skin with water. Wash with soap and water.

## 9. SPILL AND DISPOSAL PROCEDURES

Spill and Leak: Sweep up. Dissolve in water and flush down drain with excess water.	Disposal: Small amt.: Dissolve in water and flush to drain. Large amount: Since tablets are only slightly soluble in water, large quantities should be disposed of as hazardous waste, according to federal, state and local regulations.
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## 10. PRECAUTIONARY MEASURES

In Handling: <input checked="" type="checkbox"/> Gloves <input checked="" type="checkbox"/> Eye Protection <input type="checkbox"/> N/A <input type="checkbox"/> Other:	Ventilation <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Mechanical <input type="checkbox"/> Respiratory Protection
Work/Hygiene Practices: Avoid handling tablets.	

## 11. SPECIAL PRECAUTIONS

N/A	DATE: 1/9/03	The above information is believed to be correct but does not claim to be all inclusive and should be used only as a guide.
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▲ This is a toxic chemical subject to reporting requirements of section 313 of EPCRA and 40CFR372.