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

Hydroculture pH Indicator (Urine Ind.) *Code Nr.* **5132**

2. HAZARDOUS INGREDIENTS

NAME	CAS #	TSCA #	%	PEL	TLV
^ Methyl Alcohol	67-56-1		4	260 mg/cubic m	200 ppm
Ethyl Alcohol	64-17-5		82	1900 mg/cubic m	1000 ppm

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

NAME	CAS #	%
Bromthymol Blue	76-59-5	<0.1
Methyl Red	492-52-7	<0.1
Water to 100%		

4. PHYSICAL DATA

Appearance: Dark Green Liquid

Solubility in Water: Soluble | *Odor:* Alcohol | *Boiling Point:* ca. 80 deg C | *Melt. Point:* N/A

Vapor Pressure: ca. 40 @20deg C | *Vapor Density:* 1.6(Air=1) | *pH:* N/A

5. FIRE AND EXPLOSION DATA

Flash Point (method used) 23 deg C-closed cup | *Flammable Limit: LEL:* 3.3% | *UEL:* 19%

Extinguishing Media: Dry chemical, CO2, or water spray

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

Special Fire Fighting Procedures:
N/A

Unusual Fire & Explosion Hazard:
Vapors may travel distance to ignition source and flash back.

6. REACTIVITY DATA

Stability:
☒ *Stable*
☐ *Unstable*

Conditions to avoid: Heat, sources of ignition

Incompatibility (Materials to avoid):
Contact with nitric acid or other strong oxidizers

Hazardous Decomposition Products: COx

7. HEALTH HAZARD DATA

Toxicity: oral hmn LDLo: 1400 mg/kg, ethanol; 143 mg/kg, methanol.

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

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

Other Health Related Comments:

Target Organs: Central Nervous System

Signs and symptoms of exposure:
Vapors and liquid harmful. Inhalation can cause headache, dizziness, nausea. May be irritating to eyes and skin. Harmful if swallowed: Ingestion may be fatal or cause blindness.

Medical Condition Aggravated by Exposure: N/A

8. EMERGENCY FIRST AID PROCEDURES

Eye Contact: Flush thoroughly with water. Consult physician.

Ingestion: Give plenty of water. Call a physician immediately.

Inhalation:
Remove to fresh air.

Skin Contact:
Flush with water. Wash with soap and water.

9. SPILL AND DISPOSAL PROCEDURES

Spill and Leak:
Eliminate all sources of ignition. Absorb on paper. Evaporate on iron pan in hood.

Disposal:
Small quantity: Flush down drain with excess water. Large quantity: Atomize into an incinerator. 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: Use with adequate ventilation and avoid contact with skin.

11. SPECIAL PRECAUTIONS

Do not use near heat or flame

DATE: 11/6/01

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.