

# MATERIAL SAFETY DATA SHEET

*Product Name:* Ladd Multiple Stain  
*Catalog Number:* 70955  
*DOT Hazard Class:* Flammable Liquid  
*UN/NA ID No.:* UN 1170  
*MSDS Updated:* 9/2011

*Distributed By:* Ladd Research Industries  
83 Holly Court  
Williston, VT 05495  
(802) 658-4961

## HAZARDOUS COMPONENTS

	<i>CAS Number</i>	<i>Percent</i>	<i>Exposure Limits</i>
Ethanol	64-17-5	<50%	1000 ppm (air)
Basic Fuchsin	632-99-5	< 1%	None established
Toluidine Blue O	92-31-9	< 1%	None established

## PHYSICAL AND CHEMICAL DATA

*Boiling Point:* 78°C  
*Specific Gravity:* 0.946  
*Vapor Pressure:* Not available  
*Vapor Density:* Not available  
*Melting Point:* Not available  
*Solubility in Water:* 100%  
*Evaporation Rate:* Not available  
*Reactivity with Water:* Not reactive  
*Appearance and Odor:* Deep purple liquid with alcohol odor

## FIRE AND EXPLOSION DATA

*Flash Point:* 48°C  
*Autoignition Temperature:* Not available  
*Explosive Limits:* Not available  
*Extinguishing Media:* Carbon dioxide, dry chemical powder, foam  
*Special Fire Fighting Procedures:* Wear self-contained breathing apparatus and protective clothing. Prevent skin and eye contact.  
*Unusual Fire and Explosion Hazards:* Vapor may travel considerable distance to ignition source and flash back.

## HEALTH HAZARDS

*Primary Routes of Entry:* Inhalation, skin, ingestion  
*Inhalation:* Upper respiratory irritation, dizziness, headache  
*Skin:* Irritation  
*Eye:* Irritation  
*Ingestion:* Nausea

## EMERGENCY AND FIRST AID

*Inhalation:* Remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.  
*Skin:* Flush skin with copious amounts of water.  
*Eye:* Flush eyes with copious amounts of water for at least 15 minutes.  
*Ingestion:* Call poison control immediately. Induce vomiting by having victim drink two large glasses of water and touching finger gently to the back of the throat.

## REACTIVITY DATA

*Stability:* Stable  
*Hazardous Polymerization:* Will not occur  
*Conditions to Avoid:* Stain shouldn't come in contact with bleaching agents  
*Incompatibility:* Oxidizing agents, peroxides, acids, acid chlorides, acid anhydrides, ammonia, alkali metals.  
*Hazardous Decomposition Products:* Toxic oxides of carbon and nitrogen. HCl.

**PROTECTIVE EQUIPMENT AND CONTROL MEASURES**

*Respiratory Protection:* Appropriate OSHA/MSHA approved respirator.

*Gloves:* Chemical resistant gloves.

*Eye Protection:* Splash resistant goggles.

*Ventilation:* Local exhaust.

*Other:* Safety shower and eye bath should be nearby.

**SPILL, DISPOSAL AND STORAGE INFORMATION**

*In Case of Spill, Leak, Release:* Shut off all sources of ignition. Evacuate area. Absorb on inert material. Ventilate area and wash spill sight after pickup is complete.

*Waste Disposal:* Burn in chemical incinerator equipped with after burner and scrubber. Always observe local, state and federal laws.

*Handling and Storage:* Store in a cool, dry place. Keep container closed. Keep away from heat, sparks and open flame.

**SECTION 313 SUPPLIER NOTIFICATION**

Not regulated.

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