

# Material Safety Data Sheet

## WASHABLE INK

Date 10/24/02 Revision B

### Section 1 - Product and Company Identification

**General Use:** Ink for writing and marking instruments

**Manufacturer:**

**LIQUI-MARK**

**30 DAVIDS DRIVE**

**HAUPPAUGE, NY 11788**

**PHONE (information & emergency) 631-236-4333**

**FAX 631-236-4334**

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### Section 2 - Composition / Information on Ingredients

Ingredient Name	CAS Number	% wt or % vol
PROPYLENE GLYCOL USP	57-55-6	14-20
TRITON X-100	9036-19-5	> 2.0
TWEEN -20	9005-64-5	<1.0
MENTHYL PARABEN USP	0000-99-76-3	0.20
ACID BLACK # 2	8005-03-6	
ACID RED # 73	5413-75-2	
ACID YELLOW # 23	1934-21-0	
ACCESS BLUE 1967		
ACCESS BLUE 96		
ACCESS RED ST		
POLYETHYLENE GLYCOL		
NON-HAZARDOUS INGREDIENTS		60-75

Ingredient	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED
PROPYLENE GLYCOL USP			
TRITON X-100			
TWEEN -20			
MENTHYL PARABEN USP			
ACID BLACK # 2	N/A	N/A	ANIMAL TOXICITY LD50=500MG/KG
ACID RED # 73		N/E	
ACID YELLOW # 23		N/E	
ACCESS VIOLET 1967	N/E	N/E	ORAL LD 50= > 5000MG/KG ( RAT )
ACCESS BLUE 96	N/E	N/E	ORAL LD 50= > 5000MG/KG ( RAT )
ACCESS RED ST	N/E	N/E	
POLYETHYLENE GLYCOL			
NON-HAZARDOUS INGREDIENTS			

**Section 3 - Physical and Chemical Properties**

**Appearance and Odor:** ODORLESS LIQUID  
**Vapor Pressure:**  
**Vapor Density (Air=1) :** 1.5  
**Surface Tension:** 32-35 DYNE/CM  
**Specific Gravity (H<sub>2</sub>O=1, at 4 °C)** 1.00-1.060

**Water Solubility:** COMPLETE  
**Boiling Point:** 105-110 DEG C  
**Freezing/Melting Point:**  
**Viscosity:**  
**Evaporation Rate:** 1.0

**Section 4 - Fire-Fighting Measures**

**Flash Point:** 500 DEG F  
**Flash Point Method:** COC  
**Autoignition Temperature** N/A  
**LEL:** N/A  
**UEL:** N/A  
**Flammability Classification:** N/A  
**Extinguishing Media:** USE WATER, CARBON DIOXIDE, FOAM OR DRY POWDER  
**Unusual Fire or Explosion Hazards:** NONE  
**Fire-Fighting Instructions:** N/A IN THE AMOUNT OF DYE USED IN FORMULATION

**Section 5 - Stability and Reactivity**

**Stability:** STABLE  
**Polymerization:** WILL NOT OCCUR  
**Chemical Incompatibilities:** N/A  
**Conditions to Avoid:** NONE  
**Hazardous Decomposition Products:**

**Section 6 - Health Hazard Information****Potential Health Effects**

**Primary Entry Routes:** NOT HAZARDOUS  
**Target Organs:**  
**Acute Effects**  
**Inhalation:**  
**Eye:**  
**Skin:**  
**Ingestion:**  
**Carcinogenicity:**  
**Medical Conditions Aggravated by Long-Term Exposure:** NO EVIDENCE OF ADVERSE HEALTH EFFECTS FROM AVAILABLE INFORMATION  
**Chronic Effects:**

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**Emergency and First Aid Procedures**

**Inhalation:** REMOVE TO FRESH AIR AND PROVIDE OXYGEN IF BREATHING IS DIFFICULT. GET MEDICAL ATTENTION  
**Eye Contact:** FLUSH EYES WITH LARGE AMOUNTS OF WATER. CONTACT A PHYSICIAN

**Skin Contact:** WASH AFFECTED AREAS WITH LARGE AMOUNTS OF SOAP AND WATER. CONTACT A PHYSICIAN IF IRRITATION OCCURS.

**Ingestion:** GIVE TWO GLASSES OF WATER AND INDUCE VOMITING. CALL A PHYSICIAN.

*After first aid, get appropriate in-plant, paramedic, or community medical support.*

**Section 7 - Spill, Leak, and Disposal Procedures**

**Spill /Leak Procedures:** RINSE SPILLED MATERIAL WITH WATER. WEAR APPROPRIATE PROTECTIVE EQUIPMENT

**Containment:**

**Cleanup:** COLLECT USING ABSORBENT MATERIAL

**Regulatory Requirements:**

**Disposal:**

**Disposal Regulatory Requirements:** ALL MATERIAL SHOULD BE PACKAGED AND DISPOSED IN CONFORMANCE WITH ALL APPLICABLE, LOCAL, STATE AND FEDERAL REGULATIONS

**Container Cleaning and Disposal:**

**Ecological Information:**

**Section 8 - Exposure Controls / Personal Protection**

**Engineering Controls:**

**Ventilation:** LOCAL EXHAUST

**Administrative Controls:**

**Respiratory Protection:** HANDLE IN THE PRESENCE OF ADEQUATE VENTILATION

**Protective Clothing/Equipment:** USE CHEMICAL RESISTANT GLOVES; USE GOGGLES AND ADEQUATE CLOTHING TO MINIMIZE PHYSICAL CONTACT

**Safety Stations:**

**Contaminated Equipment: Comments:**

**Section 9 - Special Precautions and Comments**

**Handling Precautions:** HANDLE WITH REASONABLE CARE

**Storage Requirements:**  
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**Prepared By:** R. DINGLAS

**Revision Notes:**