



# Safety Data Sheet

30 DAVIDS DRIVE

HAUPPAUGE, NY 11788

PHONE 631-236-4333

FAX 631-236-4334

## SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** LIQUI-MARK ® WASHABLE MARKERS BROAD TIP

**Liqui-Mark Item #** 21088, 21000, 21109, 210xx, 211xx, 77219

**Contact Email:** sales@liquimark.com

**Usage:** (see Section 7)

## 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
METHYL PARABEN USP	99-76-3	0.20
ACID BLACK 2	8005-03-6	
ACID RED 73	5413-75-2	
ACID YELLOW 23	1934-21-0	
ACCESS VIOLET 1967		
ACCESS BLUE 96		

ACCESS RED ST				3844-45-9	
PALMER SCARLET RED					
ACID BLUE 9					
PALMER FLUORESCENT RED					
ACID BLACK 1					
PALMER BLACK				1064-48-8	
POLYETHYLENE GLYCOL 3350				25322-683	
NON-HAZARDOUS INGREDIENTS					60-75
		OSHA	ACGIH	OTHER LIMITS RECOMMENDED	
Ingredient	PEL	TLV			
PROPYLENE GLYCOL USP			LD50 20000-34000MG/KG (RAT)		
TRITON X-100			> 5000MG/KG (RAT)		
TWEEN -20			LD50 > 35000MG/KG (RAT)		
METHYL PARABEN USP			LD50=> 8000MG/KG (RAT)		
ACID BLACK 2	N/A	N/A	ANIMAL TOXICITY LD50=5000MG/KG		
ACID RED 73		N/E	Not applicable		
ACID YELLOW # 23		N/E	Not applicable		
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	Not applicable		
POLYETHYLENE GLYCOL 3350			LD50>40000MG/KG (RAT)		
PALMER SCARLET RED			NO DATA AVAILABLE		
ACID BLUE 9			LD50 >10000MG/KG (RAT)		
PALMER FLUORESCENT RED			NO DATA AVAILABLE		
ACID BLACK 1			NO DATA AVAILABLE		
PALMER BLACK			N.D.		
NON-HAZARDOUS INGREDIENTS					

### SECTION 3: HAZARDS IDENTIFICATION

<b>Physical / Chemical Hazard:</b>	NOT HAZARDOUS
<b>Environmental Hazard:</b>	NO DATA AVAILABLE
<b>Target Organs:</b>	
<b>Acute Effects:</b>	>4000 MG/KG
<b>Signs and symptoms of exposure:</b>	NO EVIDENCE OF ADVERSE HEALTH EFFECTS FROM AVAILABLE INFORMATION
<b>Carcinogenicity:</b>	NONE OF THE USED CHEMICALS ARE KNOWN TO BE CARCINOGENS
<b>Chronic Effects:</b>	NO DATA AVAILABLE

### SECTION 4: FIRST AID MEASURES

<b>Inhalation:</b>	REMOVE TO FRESH AIR, KEEP PATIENT WARM AND AT REST; IF BREATHING IS IRREGULAR OR STOPPED ADMINISTER ARTIFICIAL RESPIRATION; IF UNCONSCIOUS PLACE IN RECOVERY POSITION AND SEEK MEDICAL ADVICE.
<b>Eyes:</b>	FLUSH WITH PLENTY OF COOL WATER FOR AT LEAST 15 MINUTES, HOLDING EYELIDS APART FOR THOROUGH IRRIGATION. IN CASE OF REMAINING IRRITATION SEEK MEDICAL ATTENTION.
<b>Skin:</b>	Wash affected area thoroughly with soap and water. If any irritation develops, consult a Physician.
<b>Ingestion:</b>	GIVE TWO GLASSES OF WATER AND INDUCE VOMITING. CALL A PHYSICIAN.

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

### SECTION 5: FIRE FIGHTING MEASURES

<b>Flash Point F(C):</b>	500 DEG F
<b>Flash Point Method:</b>	COC
<b>Auto ignition Temperature:</b>	N/A
<b>Extinguishing Media:</b>	FOAM, CO2, POWDERS, WATER SPRAY
<b>Special protective Equipment:</b>	N/A
<b>Unusual Fire &amp; Explosion Procedures:</b>	NONE
<b>Fire Fighting Instructions:</b>	N/A IN THE AMOUNT OF DYE USED IN FORMULATION

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Avoid any uncontrolled release of material.

**Spills / Leaks:** Where spills are possible, a comprehensive spill response plan should be developed and implemented. Steps to be taken if material is released or spilled are as follows: Utilize recommended protective clothing and equipment. Spills should be swept by using an absorbent dust control product and placed in containers. Spill area can be washed with water. Collect water for approved disposal. In the event of an uncontrolled release of this material, the user should determine if the release is reportable under applicable laws and regulations.

THIS PRODUCT IS NOT HAZARDOUS AS DEFINED BY HAZARDOUS COMMUNICATION STANDARD. HOWEVER, AS WITH ALL CHEMICAL; HANDLE WITH CARE AVOID EYE & SKIN CONTACT.

## SECTION 7: HANDLING & STORAGE

**Handling:** HANDLE WITH REASONABLE CARE.

**Storage:** KEEP CONTAINER TIGHTLY CLOSED, PROTECT FROM THE INFLUENCE OF WEATHER.

**Storage Class:**

**CSR Information:** Consistent with known Exposure Scenario

**Envir. Handling:** See section 12

## SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

**Engineering Controls:** NOT NECESSARY

**Ventilation:** LOCAL EXHAUST

**Administrative Controls:**

**Respiratory Protection:** NOT NECESSARY, GOOD ROOM VENTILATION IS SUFFICIENT

**Protective Equipment** RUBBER / PLASTIC GLOVES AND PROTECTIVE GLASSES

**Safety Stations** PAY ATTENTION TO THE USUAL RULES FOR HANDLING CHEMICALS

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance and Odor:</b>	ODERLESS LIQUID
<b>Boiling Point:</b>	105-110° DEG C
<b>Surface Tension:</b>	32-35 DYNE/CM
<b>% Volatile:</b>	n/a
<b>Solubility in water:</b>	COMPLETE
<b>Specific Gravity:</b>	(H <sub>2</sub> O=1, at 4 °C) 1.00-1.060
<b>Vapor Pressure:</b>	
<b>Vapor Density:</b>	(AIR=1): 1.5
<b>Evaporation Rate:</b>	1.0

## SECTION 10: STABILITY AND REACTIVITY

<b>Stability:</b>	STABLE
<b>Polymerization:</b>	WILL NOT OCCUR
<b>Conditions to Avoid:</b>	NONE
<b>Chemical Incompatibilities:</b>	N/A
<b>Hazardous Decomposition Products:</b>	NO HAZERDOUS DECOMPOSITION PRODUCTS KNOWN

## SECTION 11: TOXICOLOGICAL INFORMATION

<b>Oral:</b>	NO DATA AVAILABLE.
<b>Dermal:</b>	NO DATA AVAILABLE.
<b>Effects to eyes:</b>	N/A
<b>Skin irritation:</b>	N/A
<b>Chemical Safety Assessment (CSA):</b>	N/D
<b>Substance subject to authorization/restriction:</b>	NO

## SECTION 12: ECOLOGICAL INFORMATION

**No Data Available**

<b>Fish toxicity:</b>	NO DATA AVAILABLE.
<b>Bacteria Toxicity:</b>	NO DATA AVAILABLE.
<b>Biodegradation:</b>	NO DATA AVAILABLE.

### SECTION 13: DISPOSAL CONSIDERATION

**DISPOSE OF ONLY IN AN APPROVED LAND-FILL AREA OR BY CONTROLLED INCINERATION IN ACCORDANCE WITH LOCAL AND STATE REGULATIONS.**

**Contaminated Packaging:** EMPTY BAGS THOROUGHLY. CARRY OUT THE PROPER RECYCLING, RE-USAGE OR DISPOSAL.

### SECTION 14: TRANSPORT INFORMATION

UN Number :

REGULATION	DESCRIPTION (proper shipping name)
DOT :	NONE
Land Transport:	NONE
Air Transport:	NONE
Sea Transport:	NONE

### SECTION 15: REGULATORY INFORMATION

CPSIA Approved:	YES
ASTM D-4236 Approved:	YES
California Proposition 65:	YES

### SECTION 16: OTHER INFORMATION

**Revision Information:** Revision A  
**Revision Date:** 06/04/2015