



21220-XXXX

# Safety Data Sheet

30 DAVIDS DRIVE

HAUPPAUGE, NY 11788

PHONE 631-236-4333

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## SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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

**Liqui-Mark Item #** 21088, 21000, 21109, 210xx, 211xx, 388xx, 77219

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

**Usage:** (see Section 7)

## SECTION 2: HAZARDS IDENTIFICATION

**Physical / Chemical Hazard:** NOT HAZARDOUS

**Environmental Hazard:** NO DATA AVAILABLE

**Target Organs:**

**Acute Effects:** >4000 MG/KG

**Signs and symptoms of exposure:** NO EVIDENCE OF ADVERSE HEALTH EFFECTS FROM AVAILABLE INFORMATION

**Carcinogenicity:** NONE OF THE USED CHEMICALS ARE KNOWN TO BE CARCINOGENS

**Chronic Effects:** NO DATA AVAILABLE

## SECTION 3: 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	

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ACID YELLOW 23			1934-21-0	
ACCESS VIOLET 1967				
ACCESS BLUE 96				
ACCESS RED ST				
PALMER SCARLET RED			3844-45-9	
ACID BLUE 9				
PALMER FLUORESCENT RED			1064-48-8	
ACID BLACK 1				
PALMER BLACK				
POLYETHYLENE GLYCOL 3350			25322-683	
NON-HAZARDOUS INGREDIENTS				60-75
		<b>OSHA</b>	<b>ACGIH</b>	<b>OTHER LIMITS RECOMMENDED</b>
<b>Ingredient</b>	<b>PEL</b>	<b>TLV</b>		
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 4: FIRST AID MEASURES**

- Inhalation:** 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.
- Eyes:** 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.
- Skin:** Wash affected area thoroughly with soap and water. If any irritation develops, consult a Physician.
- 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 5: FIRE FIGHTING MEASURES**

- Flash Point F(C):** 500 DEG F
- Flash Point Method:** COC
- Auto ignition Temperature:** N/A
- Extinguishing Media:** FOAM, CO2, POWDERS, WATER SPRAY
- Special protective Equipment:** N/A
- Unusual Fire & Explosion Procedures:** NONE
- Fire Fighting Instructions:** 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**

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

**SECTION 10: STABILITY AND REACTIVITY**

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

**SECTION 11: TOXICOLOGICAL INFORMATION**

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

**SECTION 12: ECOLOGICAL INFORMATION**

**No Data Available**

**Fish toxicitiy:** NO DATA AVAILABLE.  
**Bacteria Toxicity:** NO DATA AVAILABLE.  
**Biodegradation:** 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 B  
Revision Date: 05/26/2016



# Safety Data Sheet

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PHONE 631-236-4333

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## SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Liqui-Mark School Pack Markers

**Liqui-Mark Item #** DBL800/12 B, DBL800/12 BR, DBL800/12 DB, DBL800/12 DG, DBL800/12 O, DBL800/12 P, DBL800/12 R, DBL800/12 Y, DBL800/8, 800-200 (DB),

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

**Usage:** (see Section 7)

## SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient Name	% of Comp.	Cas No.
ETHYLENE GLYCOL	<27	107-21-1
ACID BLACK #2		
ACID YELLOW #23		1934-21-0
ACID BLUE #9		3844-45-9
ACID RED #1		3734-67-6
ACID BLUE #1		129-17-9
ACID VIOLET #17		4129-84-4
ACID RED #73		17372-87-1
BASIC RED #1		
ACID RED #87		17372-87-1
ROCALL 50% USP		989-38-8
NON-HAZERDOUS INGREDIENTS	50-60	
<b>Other non-classified hazards:</b>	n/a	

Revision A

06/04/2015

**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>	N/A
<b>Signs and symptoms of exposure:</b>	N/A
<b>Carcinogenicity:</b>	NOT LISTED
<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° F
<b>Flash Point Method:</b>	COC
<b>Auto ignition Temperature:</b>	N/D
<b>Extinguishing Media:</b>	ALCOHOL RESISTANT FOAM, CO2, POWDERS, WATER SPRAY
<b>Special protective Equipment:</b>	
<b>Unusual Fire &amp; Explosion Procedures:</b>	NONE EXPECTED.
<b>Fire Fighting Instructions:</b>	N/A IN THE AMOUNT OF DYE USED IN THE 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.

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**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**

**Appearance and Odor:** ODERLESS LIQUID  
**Boiling Point:** 105-110° DEG C  
**Surface Tension:** 31-35 DYNE/CM  
**Freezing/Melting Point:** <0° C  
**Solubility in water:** N/A  
**Specific Gravity:** (H2O=1, AT 4 °C): 1.050-1.085  
**Vapor Pressure:**  
**Vapor Density:** (AIR=1): >1.5  
**Evaporation Rate:** >1.0

**SECTION 10: STABILITY AND REACTIVITY**

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

**SECTION 11: TOXICOLOGICAL INFORMATION**

**Oral:** NO DATA AVAILABLE.  
**Dermal:** NO DATA AVAILABLE.  
**Effects to eyes:** EYES - SLIGHT IRRITANT.  
**Skin irritation:** SKIN - SLIGHT IRRITANT.  
  
**Chemical Safety Assessment (CSA):** N/D  
**Substance subject to authorization/restriction:** NO

**SECTION 12: ECOLOGICAL INFORMATION**

No Data Available

**Fish toxicitiy:** NO DATA AVAILABLE.  
**Bacteria Toxicity:** NO DATA AVAILABLE.  
**Biodegradation:** 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 :

<b>REGULATION</b>	<b>DESCRIPTION (proper shipping name)</b>
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**

Revision A

06/04/2015