

Material Safety Data Sheet

Material Name: LIQUI MARK ® WASHABLE MARKERS BROAD TIP
Issue Date: 09/24/2014
Revision: F

Section 1 - Product and Company Identification

Material Name: LIQUI MARK ® WASHABLE MARKERS BROAD TIP

Company: Liqui-Mark Corp., 30 Davids Drive, Hauppauge, New York 11788
Phone: (631) 236-4333 **Toll Free:** (800) 486-9005 **FAX:** (631) 236-4334

Health Emergency: Call your healthcare provider and your local Poison Control Center.

Product Code: 21088, 21000, 21109, 210xx, 211xx

Product Use: Arts and Crafts.

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		
PALMER SCARLET RED		
ACID BLUE 9	3844-45-9	
PALMER FLUORESCENT RED		
ACID BLACK 1	1064-48-8	
PALMER BLACK		
POLYETHYLENE GLYCOL 3350	25322-683	
NON-HAZARDOUS INGREDIENTS		60-75

Ingredient	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED
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			

LIQUI MARK® WASHABLE MARKERS BROAD TIP**Revision: F****Section 3 - Hazards Identification****Emergency Overview:****Color and Odor:** Various colors, Odorless.**Physical Form:** Article containing Liquid.**Potential Health Effects:****Primary Entry Routes:** NOT HAZARDOUS**Target Organs:** None**Acute Effects:** None**Inhalation:** None**Eye:** None**Skin:** None**Ingestion:** None**Carcinogenicity:** None**Medical Conditions Aggravated by Long-Term Exposure:** NO EVIDENCE OF ADVERSE HEALTH EFFECTS FROM AVAILABLE INFORMATION**Chronic Effects:** None**Section 4 - First Aid Measures****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 5 - Fire-Fighting Measures****Flash Point:** 500 DEG F**Flash Point Method:** COC**Auto ignition 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 6 - Accidental Release Measures****Spill /Leak Procedures:** RINSE SPILLED MATERIAL WITH WATER. WEAR APPROPRIATE PROTECTIVE EQUIPMENT**Containment:** Not Available**Cleanup:** COLLECT USING ABSORBENT MATERIAL**Regulatory Requirements:** Not Available**Section 7 - Handling and Storage**

ALL MATERIAL SHALL BE PACKED, LABELED AND DISPOSED IN CONFORMANCE WITH APPLICABLE, LOCAL STATE AND FEDERAL REGULATIONS. AVOID HEAT, FLAMES, SPARKS AND OTHER SOURCES OF IGNITION. KEEP SEPERATED FROM INCOMPATIBLE SUBSTANCES.

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

LIQUI MARK ® WASHABLE MARKERS BROAD TIP**Revision: F****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 - 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 (H₂O=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 10 - Stability and Reactivity****Stability:** STABLE**Polymerization:** WILL NOT OCCUR**Chemical Incompatibilities:** N/A**Conditions to Avoid:** NONE**Section 11- Toxicological Information****Toxicity Data:****Acute Inhalation Effects:** Not available**Eye Effects:** Not available**Skin Effects:** Not available**Acute Oral Effects:** Not available**Chronic Effects:** None**Carcinogenicity:** None**Mutagenicity:** None**Teratogenicity:** Not available**Section 12 - Ecological Information**

NOT AVAILABLE

Section 13 - Disposal Considerations**Disposal Regulatory Requirements:** ALL MATERIAL SHOULD BE PACKAGED AND DISPOSED IN CONFORMANCE WITH ALL APPLICABLE, LOCAL, STATE AND FEDERAL REGULATIONS

LIQUI MARK ® WASHABLE MARKERS BROAD TIP**Revision: F****Section 14 – Transport Information**

No Classification assigned.

LAND TRANSPORT ADR/RID: No classification assigned.

AIR TRANSPORT IATA/ICAIO: No classification assigned.

MARITIME TRANSPORT IMDG: No classification assigned.

Section 15 - Regulatory Information**EPA Regulations:**

RCRA Hazardous Waste Number: Not listed (40 CFR 261.33)

RCRA Hazardous Waste Classification (40 CFR 261...): Not classified

CERCLA Hazardous Substance (40 CFR 302.4) listed/unlisted specific per RCRA, Sec. 3001; CWA, Sec. 311 (b)(4); CWA, Sec. 307(a), CAA, Sec. 112

CERCLA Reportable Quantity (RQ), lb (?? kg)

SARA 311/312 Codes:

SARA Toxic Chemical (40 CFR 372.65): Not listed

SARA EHS (Extremely Hazardous Substance) (40 CFR 355): Not listed, Threshold Planning Quantity (TPQ)

California Proposition 65: Not Listed

OSHA Regulations:

Air Contaminant (29 CFR 1910.1000, Table Z-1, Z-1-A): Not listed

OSHA Specifically Regulated Substance (29CFR 1910.119)

State Regulations:**Section 16 - Other Information**

Prepared By: Moheb Girgis

Revision Notes: Update

Additional Hazard Rating Systems: Not available

Disclaimer: The information contained herein is based on our current knowledge of the underlying data and is intended to describe the product for the purpose of health, safety and environmental requirements only. No warranty or guarantee is expressed or implied regarding the accuracy of these data or the results to be obtained from the use of the product.