



Safety Data Sheet

30 DAVIDS DRIVE

HAUPPAUGE, NY 11788

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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 ACID BLUE 9 PALMER FLUORESCENT RED ACID BLACK 1 PALMER BLACK | 3844-45-9 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 |

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|--------------------------|--|--|------------------------|
| 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. |

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| 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 ₂ 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

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|--|--------------------|
| 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 toxicity: | 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

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|----------------------------|-----|
| 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