

Material Safety Data Sheet**WASHABLE INK**

Rev'd 12-03-03

21265-xxxx
21263-0100

Date 10/24/02 Revision B

Section 1 - Product and Company Identification

General Use: Ink for writing and marking instruments

Manufacturer:

LIQUI-MARK

130 SWALM STREET

WESTBURY, NEW YORK 11590-4820

PHONE (information & emergency) 516-333-5100

FAX 516-333-5396

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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

V-2701

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			

Product: WASHABLE INK**Date 10/24/02****Revision: B****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 (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 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:

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

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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:

Prepared By: R. DINGLAS

Revision Notes: