

# Material Safety Data Sheet

## FLUORESCENT WATER BASED INK

Date 10/1/99 Revision A

038853

### 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
ETHYLENE GLYCOL TRIETHANOLAMINE	107-21-1	
ACID BLUE #9 AND ACID VIOLET #17		
ACID RED #1	3734-67-6	
ACID RED # 87	17372-87-1	
ACID GREEN # 3		
ACID YELLOW # 23	1934-21-0	
ACID BLACK # 2		
ACID ORANGE # 7		
ACID RED # 73	17372-87-1	
NON-HAZARDOUS INGREDIENTS		50-60

Ingredient	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED
ETHYLENE GLYCOL		50 PPM	
TRIETHANOLA- MINE	75		
ACID BLUE #9 AND ACID VIOLET #17		NIE	
ACID RED #1		N/E	RAT ORAL LD50 = 499MG/KG
ACID RED # 87			RTECS, 1985
ACID GREEN # 3		N/E	1 ARC / RTEC 5
ACID YELLOW # 23		N/E	
ACID BLACK	NA	NA	ANIMAL TOXICITY ORAL LD50= 5000MG/KG
ACID ORANGE # 7	REGULATED		NJ SUBST. # 0506
ACID RED # 73		N/E	
NON- HAZARDOUS INGREDIENTS			

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**Section 3 - Physical and Chemical Properties**

Appearance and Odor: ODORLESS LIQUID  
 Vapor Pressure:  
 Vapor Density (Air=1): 1.5  
 Surface Tension: 31-34 CPS  
 Specific Gravity (H<sub>2</sub>O=1, at 4 °C): 1.02-1.08

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:

LEL:

UEL:

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. GET MEDICAL ATTENTION

Eye Contact: FLUSH EYES WITH LARGE AMOUNTS OF WATER. CONTACT A PHYSICIAN

Skin Contact: USE SOAP AND WATER

Ingestion: GIVE TWO GLASSES OF WATER AND INDUCE VOMITING. CALL A PHYSICIAN

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

**Product: FLUORESCENT WATER BASED INK****Date 10/1/99 Revision: A****Section 7 - Spill, Leak, and Disposal Procedures****Spill /Leak Procedures:** RINSE SPILLEL MATERIAL WITH WATER**Containment:****Cleanup:** COLLECT USING ABSORBENT MATERIAL**Regulatory Requirements:****Disposal:****Disposal Regulatory Requirements:** ALL MATERIAL SHOULD BE PACKED, LABELED AND DISPOSED IN CONFORMANCE WITH APPLICABLE, LOCAL STATE AND FEDERAL REGULATIONS.**Container Cleaning and Disposal:****Ecological Information:****Section 8 - Exposure Controls / Personal Protection****Engineering Controls:****Ventilation:** LOCAL EXHAUST**Adminlstrative Controls:****Respiratory Protection:** N.A.**Protective Clothing/Equipment:****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:**