

# Material Safety Data Sheet

## WATER BASED INK

Date 10/16/03 Revision B

### Section 1 - Product and Company Identification

**General Use:** Ink for writing and marking instruments

**Manufacturer:**

**LIQUI-MARK**

**30 DAVIDS DRIVE**

**HAUPPAUGE, NY 11788**

**PHONE (information & emergency) 631-236-4333**

**FAX 631-236-4334**

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### Section 2 - Composition / Information on Ingredients

Ingredient Name	CAS Number	% wt or % vol
ETHYLENE GLYCOL	107-21-1	< 30
ACID BLACK #2		< 10
ACID YELLOW # 23	1934-21-0	
ACID BLUE #9	3844-45-9	
ACID RED #1	3734-67-6	
ACID RED #87	17372-87-1	
ACID BLUE #1	129-17-9	
ACID VIOLET #17	4129-84-4	
ACID RED #73	17372-87-1	
BASIC RED # 1		
ROCALL 50% USP	989-38-8	
NON-HAZARDOUS INGREDIENTS		50-60

Ingredient	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED
ETHYLENE GLYCOL		50 PPM CEILING	
ACID BLACK #2	NA	N.A.	ANIMAL TOXICITY= 5000MG/KG
ACID YELLOW # 23		N.E.	
ACID BLUE #9		N.E.	
ACID RED #1	N.E.	N.A.	ORAL RAT LD50= 449 MG/KG
ACID RED #87	NON-HAZARDOUS		RTECTS, 1985
ACID BLUE #1	N.E.	N.E.	ORAL RATLD50= 10,000MG/KG
ACID VIOLET #17	N.E.	N.E.	AS PER 29CFR PART 1910-120
ACID RED #73	NON-HAZARDOUS	N.E.	
BASIC RED # 1			
ROCAL 50% USP			

### Section 3 - Physical and Chemical Properties

**Appearance and Odor:** ODERLESS LIQUID

**Water Solubility:** COMPLETE

**Vapor Pressure:**

**Boiling Point:** 105-110 DEG C

**Vapor Density (Air=1) :** 1.50

**Freezing/Melting Point:**

**Surface Tension:**31-35 DYNE/CM

**Viscosity:**

**Specific Gravity (H<sub>2</sub>O=1, at 4 °C) :** 1.050-1.085

**Evaporation Rate:** 1.0

### Section 4 - Fire-Fighting Measures

**Flash Point:** 500 DEG F

**Flash Point Method:** COC

**Autoignition Temperature:**

**LEL:**

**UEL:**

**Flammability Classification:** NA

**Extinguishing Media:** USE WATER, CARBON DIOXIDE, FOAM, OR DRY POWER

**Unusual Fire or Explosion Hazards:** NONE

**Fire-Fighting Instructions:** NA IN THE AMOUNT OF DYE USED IN THE 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.*

**Section 7 - Spill, Leak, and Disposal Procedures**

**Spill /Leak Procedures:** RINSE SPILLED 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

**Administrative 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:**

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**Prepared By:** R. DINGLAS

**Revision Notes:**