

Material Safety Data Sheet

WATER BASED INK

Date 03/24/08 Revision C

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	< 27
ACID BLACK #2		
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

	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED
Ingredient			
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 (H₂O=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**Auto ignition 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:

Prepared By: R. DINGLAS

Revision Notes: