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97-5013

Material Safety Data Sheet

LM WATER BASED INKS ALL COLOR

(Trade Name As Used On Label)

Liqui-Mark Corp.
 Manufacturer
 19 Clay Street
 Address
 Brooklyn, NY 11222
 718-389-0720
 Phone Number (For Information)
 Same
 Emergency Phone Number
 Telex

MSDS Number
 CAS Number
 10-29-90
 Date Prepared
 Prepared By
 Note: Blank spaces are not permitted. If any item is not applicable, information is available, the space must be marked to indicate

SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION

COMPONENTS - Chemical Name & Common Names (Hazardous Components 1% or greater; Carcinogens 0.1% or greater)	%	OSHA PEL	ACGIH TLV	OTHER LIMIT RECOMMEND
Ethylene Glycol CAS #107-21-1 1.2 Ethanediol	<30%		50ppm ceiling	
Methanamide = Formamide CAS 75-12-7	<25%	20ppm	10ppm	
ACID Niglosine-Azine' CAS #1974-21-0				Animal LD50 5000
BLACK #2 Hazardous-None per 29 CFR 1910.1200	<10%	N/A	N/A	
ACID YELLOW #23 - CAS #1974-21-0			N/E	
ACID BLUE #9 - CAS #3844-45-9			N/E	
ACID RED #1 CAS #3734-67-6, Azo, Hazardous-None			N/E	Rat Oral 449 mg/kg
ACID RED #87 CAS #17372-87-1 see Sec. 3113 (not listed)		Non-Haz		RTECS, 19
ACID BLUE #1 - CAS #129-17-9 Triphenylmethane	65	N/E	N/E	Rat Oral 10.000mg/part. 191
ACID VIOLET #17 - CAS #4129-84-4 Triphenylmethane		Non-Haz	N/E	Asper 29 part. 191
ACID RED #73 CAS#17372-87-1, Diazo, Hazardous-None (29 CFR part 1910.1200)		Non-Haz	N/E	
Non-Hazardous Ingredients	50-60%			
TOTAL	100			

SECTION 2 - PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point 105 - 110 c	Specific Gravity (H ₂ O = 1) 1.050 - 1.085
Vapor Pressure (mm Hg and temperature)	Melting Point
Vapor Density (Air = 1) 1.5	Evaporation Rate (-1) 1
Solubility in Water Complete	Water Reactive

Appearance and Odor
 Odorless Liquid

SECTION 3 - FIRE AND EXPLOSION HAZARD DATA

Flash Point and Method Used coc 500F	Auto-ignition Temperature	Flammability Limits in Air % by Volume N/A	LEL	UEL
Extinguisher Media Use water carbon dioxide, foam or dry powder				
Special Fire Fighting Procedures Use self contained breathing apparatus and protective cloth				
Unusual Fire and Explosion Hazards None				

*Optional

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SECTION 4 - REACTIVITY HAZARD DATA

STABILITY <input checked="" type="checkbox"/> Stable <input type="checkbox"/> Unstable	Conditions To Avoid None
Incompatibility (Materials to Avoid) N/A	
Hazardous Decomposition Products	
HAZARDOUS POLYMERIZATION <input type="checkbox"/> May Occur <input checked="" type="checkbox"/> Will Not Occur	Conditions To Avoid

SECTION 5 - HEALTH HAZARD DATA

PRIMARY ROUTES OF ENTRY <input type="checkbox"/> Inhalation <input type="checkbox"/> Skin Absorption	<input type="checkbox"/> Ingestion <input checked="" type="checkbox"/> Not Hazardous	CARCINOGEN LISTED IN <input type="checkbox"/> NTP <input type="checkbox"/> IARC Monograph	<input type="checkbox"/> OSHA <input type="checkbox"/> Not Listed
HEALTH HAZARDS Acute Chronic	Signs and Symptoms of Exposure No evidence of adverse health effects from available information		
Medical Conditions Generally Aggravated by Exposure			
EMERGENCY FIRST AID PROCEDURES - Seek medical assistance for further treatment, observation and support if necessary.			
Eye Contact Immediately flush eyes with large amounts of water. Contact a physician.			
Skin Contact Wash affected area with large amounts of soap and water. Contact a physician if irritation occurs.			
Inhalation Remove to fresh air and provide oxygen if breathing is difficult. medical attention.			
Ingestion Give two glasses of water and induce vomiting. Call a physician.			

SECTION 6 - CONTROL AND PROTECTIVE MEASURES

Respiratory Protection (Specify Type)	Handle in the presence of adequate ventilation		
Protective Gloves	Use Chemical Resistent gloves	Eye Protection	goggles
VENTILATION TO BE USED	<input checked="" type="checkbox"/> Local Exhaust	<input type="checkbox"/> Mechanical (general)	<input type="checkbox"/> Special
<input type="checkbox"/> Other (specify)			
Other Protective Clothing and Equipment	Adequate clothing to minimize physical contact		
Hygienic Work Practices			

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE / LEAK PROCEDURES

Steps to be Taken if Material is Spilled Or Released	Wear appropriate protective equipment. Rinse spilled material with water. Collect using absorbent material.		
Waste Disposal Methods	All material should be packaged, labelled and disposed in accordance with all applicable local, state and federal regulations.		
Precautions to be Taken in Handling and Storage	handle with reasonable care.		
Other Precautions and/or Special Hazards			

NFPA Rating* Health	Flammability	Reactivity	Special	HMIS Rating* Health	Flammability	Reactivity	Personal Protection
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