

Material Safety Data Sheet

BLUE BALL POINT INK

FOR STICK PENS

Date 3/28/03

Revision A

Section 1 - Product and Company Identification

General Use: Ink for writing

Manufacture for :

LIQUI-MARK

130 SWALM STREET

WESTBURY, NEW YORK 11590-4820

PHONE (information & emergency) 516-333-5100

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Section 2 - Composition / Information on Ingredients

Ingredient Name	CAS Number	% wt or % vol
Blue Dyestuff		3.5
Violet Dyestuff		8.5
Rhodamine / Phenoxy Ethanol		39.00
Resin / Stabilizer		49.00

Ingredient	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED
Phenoxy Ethanol	NON-HAZARDOUS	N.E.	ANIMAL TOXICITY LD50=1.48 G/KG
Blue Dyestuff		N.E.	
Violet Dyestuff		N.E.	
Resin	NON-HAZARDOUS	N.E.	ANIMAL TOXICITY LD50= 1.40 – 3.0G/KG
Stabilizer	NON-HAZARDOUS	N.E.	
Rhodamine	NON-HAZARDOUS	N.E.	

Section 3 - Physical and Chemical Properties

Appearance and Odor: BLUE VISCOUS LIQUID /
NON-IRRITABLE

Vapor Pressure: NEGLIGIBLE AT 25 DEG. C

Vapor Density (Air=1): 16.5

Surface Tension

Specific Gravity (H₂O=1, at 4 °C): 1.10

Water Solubility: INSOLUBLE

Boiling Point: 250 DEG C -260 DEG.C

Freezing/Melting Point:

Viscosity: 11,000-12,000 CPS

PH Value: 7.0 + 0.5 (Neutral)

Section 4 - Fire-Fighting Measures

Flash Point: 350 DEG. C

Flash Point Method:

Auto ignition Temperature: NOT DETERMINED

LEL: N. D.

UEL: N.D.

Flammability Classification:

Extinguishing Media: WATER FOG, ALCOHOL RESISTANT FOAM, CO₂, DRY CHEMICAL

Unusual Fire or Explosion Hazards: NONE

Fire-Fighting Instructions: WEAR POSITIVE, SELF CONTAINED BREATHING APPARATUS

Section 5 - Stability and Reactivity

Stability: STABLE

Polymerization: WILL NOT OCCUR

Chemical Incompatibilities: OXIDIZING AND REDUCING AGENTS MAY DESTROY COLOR OXIDIZING MATERIALS LIKE ALUMINUM, MAGNESIUM, ZINC AND GALVANIZED METALS

Conditions to Avoid: NONE

Hazardous Decomposition Products: BURNING PRODUCES NORMAL PRODUCT OF COMBUSTION

Section 6 - Health Hazard Information

Potential Health Effects

Primary Entry Routes: NON HAZARDOUS

Target Organs:

Acute Effects

Inhalation:

Eye:

Skin:

Ingestion:

Carcinogenicity: NOT LISTED

Medical Conditions Aggravated by Long-Term Exposure: NO EVIDENCE OF ADVERSE HEALTH EFFECTS FROM AVAILABLE INFORMATION

Chronic Effects:

Emergency and First Aid Procedures

Inhalation: THE ODOR IS OBJECTIONABLE AT 30PPM; HIGHER LEVELS PRODUCE EYE, NOSE AND THROAT IRRITATION AND INTOLERABLE AT 1000PPM. REMOVE TO FRESH AIR

Eye Contact: MAY CAUSE SLIGHT TRANSIENT (TEMPORARY) EYE IRRITATION. IRRIGATE IMMEDIATELY WITH WATER FOR AT LEAST 15 MINUTES

Skin Contact: PROLONGED OR REPEATED EXPOSURE MAY CAUSE SKIN IRRITATION. WASH OFF IN FLOWING WATER OR SHOWER

Ingestion: AMOUNT INGESTED INCIDENTAL TO INDUSTRY. HANDLING NOT LIKELY TO CAUSE INJURY. INDUCE VOMITING IF LARGE AMOUNT INGESTED AND CONSULT MEDICAL PERSONNEL

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

Section 7 - Spill, Leak, and Disposal Procedures

Spill /Leak Procedures: SOAK UP WITH SUITABLE NON-REACTIVE ABSORBANT MATERIAL AND SCOOP INTO CONTAINER. WIPE OFF WITH COTTON WASTE WASH AREA THOROUGHLY WITH WATER

Containment:

Cleanup:

Regulatory Requirements:

Disposal:

Disposal Regulatory Requirements: BURN IN AN APPROVED INCINERATOR IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REQUIREMENTS

Container Cleaning and Disposal:

Ecological Information:

Section 8 - Exposure Controls / Personal Protection

Engineering Controls:

Ventilation: LOCAL EXHAUST

Administrative Controls:

Respiratory Protection: NOT NECESSARY, GOOD ROOM VENTILATION IS SUFFICIENT

Protective Clothing/Equipment: USE RUBBER GLOVES AND PROTECTIVE GLASSES

Safety Stations:
Contaminated Equipment:
Comments:

Section 9 - Special Precautions and Comments

Handling Precautions: HANDLE WITH REASONABLE CARE, AVOID BREATHING VAPORS

Storage Requirements: KEEP CONTAINERS TIGHTLY CLOSED, PROTECT DRUMS FROM THE INFLUENCE OF WEATHER

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Revision Notes: