

MSDS - Material Safety Data Sheet**Product Name: Black Evidence Marker****MSDS No.: EMB1****I. Basic Information:****Manufacturer:** Sirchie Finger Print Laboratories**Address:** 100 Hunter Place**City, ST Zip:** Youngsville, NC 27596**Emergency Contact:** ChemTrec**Emergency Telephone Number:** 800-424-9300**Contact:** Tech Support**Information Telephone Number:** 919-554-2244**Last Update:** 01/26/2011**Expiration Date:****Chemical State:** Liquid Gas Solid**Chemical Type:** Pure Mixture

2	Health
3	Flammability
1	Reactivity
H	Pers. Protection

II. Ingredients: Trade Secret

CAS No.	Chemical Name	% Range	EHS		IARC		SARA		OSHA PEL	ACGIH TLV	Other Limits
			NTP		SUB Z	313					
64741679	Aromatic petroleum distillate	1-5						NE	NE		
100414	Ethyl benzene	10-30						100 ppm	100 ppm	69.80 F	
1330207	Xylene	60-100						100 ppm	100 ppm	81 F	

III. Hazardous Identification:**Hazard Category:** Acute Chronic Fire Pressure Reactive**Hazardous Identification Information:**

Respiratory and digestive tract irritant. Skin and eye irritant. Aspiration hazard. May cause central nervous system depression. May affect liver, kidneys, cardiovascular system, and blood.

This material is subject to the reporting requirements of Section 313 of SARA Title III and 40 CFR Part 373.

IV. First Aid Measures:**Route(s) of Entry:**

Inhalation, ingestion, skin, eyes

Health Hazards (Acute and Chronic):

Long term overexposure: Disorders to the liver, kidneys, cardiovascular system, blood

Signs and Symptoms:

Overexposure to vapors: Dizziness, drowsiness, nausea, disturbed vision, unconsciousness, coma

Medical Conditions Generally Aggravated by Exposure:

Skin, eye, respiratory, liver, kidney, cardiovascular system, blood diseases

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Emergency and First Aid Procedures:

Inhalation: Remove to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen (To be administered by qualified medical personnel only!) Get medical attention.

Ingestion: DO NOT induce vomiting. If victim is conscious and alert, give 2-4 cups of milk or water. (Never give anything by mouth to an unconscious person!) Aspiration hazard. Get medical attention immediately.

Skin: Flush skin with plenty of soap and water for at least 15 minutes. Remove contaminated clothing. Seek medical attention.

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids. Do not allow victim to rub or keep eyes closed. Get medical aid immediately.

Other Health Warnings:

V. Fire Fighting Measures:

Flash Point: 82 F

Lower Explosive Limit: 1.1

Upper Explosive Limit: 7.0

F.P. Method:

Fire Extinguishing Media: Carbon dioxide, dry chemical, alcohol foam

Special Fire Fighting Procedures:

Wear self-contained breathing apparatus and protective clothing.

Unusual Fire and Explosion:

"Empty" containers may contain product residue and may be dangerous. Empty containers should be completely drained and bunged and then disposed of according to local, state, and federal regulations.

VI. Accidental Release Measures:

Steps to be Taken in Case Material is Released or Spilled:

Wear vapor respirator, safety goggles, and rubber gloves. Remove sources of ignition (i.e. open flames, sparks). Soak up with absorbent material (do not use flammable substances such as sawdust). Dispose according to local, state, and federal regulations.

VII. Handling and Storage:

Precautions to be Taken:

Keep in closed container. Avoid incompatible materials. Avoid all ignition sources (heat, open flame, spark). Use only in well-ventilated areas. Wash thoroughly after handling.

Other Precautions:

"Empty" containers may contain product residue and may be dangerous. Empty containers should be completely drained and bunged and then disposed of according to local, state, and federal regulations.

VIII. Exposure Controls/Personal Protection:

Ventilation Requirements:

Use only in well-ventilated areas.

Personal Protective Equipment:

Safety goggles, gloves, vapor respirator, protective clothing

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IX. Physical and Chemical Properties:

Boiling Point: 278 F

Melting Point: NE

Evaporation Rate (Butyl Acetate = 1): 11

Vapor Pressure (mm Hg.): 9.5

Specific Gravity (H2O = 1):

Vapor Density (AIR = 1): 9.5

Solubility In Water: Negligible

Appearance and Odor: *

Other Information: * Appearance & Odor: Black ink; aromatic hydrocarbon odor

X. Stability and Reactivity:

Stability:

Stable

Incompatibility (Materials to Avoid):

Ignition sources (heat, open flame, spark), strong acids, oxidizers

Decomposition/By Products:

Carbon monoxide

Hazardous Polymerization:

Will not occur

XI. Toxicological Information:

Carcinogenicity

Ethyl benzene

A draft report on a study conducted by the National Toxicology Program states that a lifetime inhalation of rats and mice to concentrations of ethyl benzene (750 ppm) resulted in increases in certain types of cancer, including kidney tumors in rats and lung and liver tumors in mice. These effects were not observed in animals exposed to lower concentrations of ethyl benzene (75 ppm or 250 ppm). The draft report does not address the relevance of these results to humans.

XII. Ecological Information:

Prevent from entering sewers or waterways. May be toxic to some aquatic life.

XIII. Disposal Considerations:

Dispose according to local, state, and federal regulations.

XIV. Transport Information:

Keep in closed container. Avoid incompatible materials. Avoid all ignition sources (heat, open flame, spark). Wash thoroughly after handling.

IATA

Shipping name: Xylenes

Hazard class: 3

UN no.: 1307

Packing group: II

Flammable liquid!

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XV. Regulatory Information:

All ingredients are listed on the TSCA inventory.

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XVI. Other Information:

Using this product under normal, properly instructed procedures should not be hazardous.

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, expressed or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of the information for their particular purposes.