

MATERIAL SAFETY DATA SHEET

U-MARK, Inc.

Rev. Date: November 15, 2006

PRODUCT NAME: TEKMARK INDELIBLE MARKING PEN AND TEKMARK INK

1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Product Identifier: Tekmark Indelible Marking Pen, Tekmark Ink

General Use: Marking on porous and non-porous surfaces.

Product Color: Black, Red, Blue.

U-Mark, Inc., 102 Iowa Avenue, Belleville, IL 62220 USA tel. 618-235-7500

24-hour Emergency Phone: Infotrac 1-800-535-5053 (within the USA and Canada), 1-352-323-3500 (International)

2. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT	CAS No.	% by Wt.	Exposure Limits (ppm)	
			OSHA TWA	ACGIH TWA
Xylene	1330-20-7	70-90	100	100
Ethylbenzene	100-41-4	5-15	100	100

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Flammable liquid and vapor. May cause eye, skin and respiratory tract irritation. May affect central nervous system. If swallowed, do not induce vomiting. Get immediate medical attention.

POTENTIAL HEALTH EFFECTS:

INHALATION: Overexposure may cause headache, dizziness and other central nervous system effects. May irritate respiratory tract.

EYE CONTACT: May cause severe irritation, redness, tearing, and blurred vision.

SKIN CONTACT: May cause mild irritation, defatting of the skin and dermatitis.

INGESTION: May cause gastrointestinal irritation, nausea vomiting and diarrhea.

CHRONIC: Contains no materials listed as causing cancer by NTP, or OSHA. IARC (Int. Agency for Research of Cancer) has classified Ethylbenzene as a possible human carcinogen (2B). Long term overexposure may cause liver and kidney damage.

4. FIRST AID MEASURES

INHALATION: Remove to fresh air. If breathing has stopped, apply artificial respiration and call a physician immediately.

EYE CONTACT: Immediately flush eyes with plenty of water. Get medical attention if irritation persists.

SKIN CONTACT: Wash with soap and water. Remove contaminated clothing.

INGESTION: Get medical attention immediately. Do not induce vomiting unless directed by a physician.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES:

Flash Point: 85°F (29°C)

Method: TCC

Flammable Limits: 1.0 % to 2.0%

Auto-ignition Temperature: Not available

HAZARDOUS COMBUSTION PRODUCTS: CO, CO₂.

EXTINGUISHING MEDIA: Alcohol foam, dry chemical, CO₂.

FIRE FIGHTING INSTRUCTIONS: Use self-contained breathing apparatus and full protective clothing for large or indoor fires. A stream of water may help spread the fire.

6. ACCIDENTAL RELEASE MEASURES

Remove all ignition sources and ventilate area. Absorb spilled material, and place in a container for disposal (e.g. incineration). Dispose of in accordance with all Federal, State and local regulations.

7. HANDLING AND STORAGE

HANDLING: Wash thoroughly after handling.

STORAGE: Store away from heat, sparks, or flames. Store between 40°/120° F (4° / 49° C.).

8. EXPOSURE CONTROL/PERSONAL PROTECTION

ENGINEERING CONTROLS: General ventilation is recommended to keep vapors below exposure limits.

RESPIRATORY PROTECTION: Use a NIOSH/MSHA approved respirator equipped for organic vapors if exposure limits are exceeded.

SKIN PROTECTION: Wear impervious gloves if hand contact is anticipated.

EYE PROTECTION: Chemical splash goggles should be used when working with chemicals.

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Range: 278° - 288°F (137° - 142°C) Melting Point: Not Applicable

Appearance: Colored Liquid

Solubility in Water: Negligible

Weight/Gallon: 6.7 lbs.

Odor: Solvent-like odor

Vapor Density: Heavier than air

Specific Gravity: 0.81

VOC: about 705g/l

% Volatile by Vol.: about 81%

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY (Conditions to avoid): Ignition sources

INCOMPATIBILITY: Strong oxidizing agents, inorganic acids, strong caustics, amines, ammonia.

HAZARDOUS DECOMPOSITION PRODUCTS: Hydrocarbons

HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

1330-20-7 Xylene: Oral LD50 4.3g/kg. (rat), Dermal LD50 2.0g/kg. (rabbit)

100-41-4 Ethylbenzene: Oral LD50 3.5g/kg. (rat) , Dermal 17.8g/kg. (rabbit)

12. ECOLOGICAL INFORMATION

Prevent any runoff from reaching natural waterways.

13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with all applicable local and federal laws and regulations

14. TRANSPORT INFORMATION

IATA, IMDG, DOT: Printing Ink, 3, UN1210, PG III;

USA Ground (Quarts or less): Consumer Commodity, ORM-D.

15. REGULATORY INFORMATION

EPCRA (SARA) Sec. 313 Reportable Materials: Xylene, CAS no. 1330-20-7, and Ethylbenzene CAS No. 100-41-4.

California Proposition 65 WARNING: This product contains a chemical known to the State of California to cause cancer (Ethylbenzene.)

16. OTHER INFORMATION

HMIS Hazard Rating: Health 2, Fire 3, Reactivity 0

NFPA Hazard Rating: Health 2, Fire 3, Reactivity 0

(4=extreme, 3=high, 2=moderate, 1=slight, 0=least).

Caution!

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