

MATERIAL SAFETY DATA SHEET

U-MARK, Inc.

Rev. Date: February 5, 2010

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, Blue, Green, Red.

U-Mark, Inc., 102 Iowa Avenue, Belleville, IL 62226 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	30-60	100	100
Ethylbenzene	100-41-4	2-10	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 the respiratory tract.

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

SKIN CONTACT: May cause mild irritation, redness, de-fatting, and dermatitis.

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

CHRONIC: Does not contain materials listed as cancer causative agents by NTP or OSHA. IARC (International 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 and call a physician.

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

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

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES:

Flash Point: 75-85°F (24-29°C) Method: TCC Flammable Limits: LEL 1% UEL 7%

Auto-ignition Temperature: not available.

HAZARDOUS COMBUSTION PRODUCTS: CO, CO₂, unidentified organic compounds.

EXTINGUISHING MEDIA: Alcohol foam, dry chemical, CO₂.

FIRE FIGHTING INSTRUCTIONS: Use self-contained breathing apparatus and full protective clothing when large amounts are involved. A stream of water may help to spread fire.

6. ACCIDENTAL RELEASE MEASURES

SPILLS: 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 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° and 120° F (4° and 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: Not normally required if used as intended. Wear chemical splash goggles in compliance with OSHA if splashing is possible.

9. PHYSICAL AND CHEMICAL PROPERTIES

BOILING RANGE: 246°– 404°F (119°– 207°C)

MELTING POINT: Not applicable

VAPOR PRESSURE: 5-7 mm Hg (68°F)

VAPOR DENSITY: >1

SOLUBILITY IN WATER: 0%

SPECIFIC GRAVITY: ~0.9

ODOR: Hydrocarbon.

VOC: 520-650 g/l

APPEARANCE: Colored, opaque liquid.

% VOLATILE BY VOLUME: 40-65

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 3.5/kg (Rat); Dermal LD₅₀ 17.8g./kg. (Rabbit.)

12. ECOLOGICAL INFORMATION

Prevent any run-off from reaching natural waterways.

13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with all applicable Federal, State and local regulations.

14. TRANSPORT INFORMATION

IATA, IMDG, DOT: Printing Ink, 3, UN1210, PG III, Ltd. Qty.

USA GROUND SHIPMENTS: Consumer Commodity, ORM-D

15. REGULATORY INFORMATION

EPCRA (SARA) Sec. 313 Reportable Materials: Xylenes, 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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