

# MATERIAL SAFETY DATA SHEET

**U-MARK, Inc.**

Rev. Date: November 15 2006

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**PRODUCT NAME: U2 PERMANENT INK MARKER**

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**1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION**

Product Identifier: U2 Permanent Ink Marker  
General Use: Marking on Most Surfaces  
Product Color: Black, Blue, Red

U-Mark, Inc., 102 Iowa Ave., Belleville, IL 62220

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

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**2. COMPOSITION/INFORMATION ON INGREDIENTS**

**Note: U2 markers are classified as articles, and are not required to have an MSDS because they do not contain any liquid ink (ink is absorbed into the material inside the markers.) This document refers to the liquid ink, and is provided as a service to our customers.**

Ingredient	CAS No.	% by Wt.	Exposure Limits (ppm)	
			OSHA TWA	ACGIH TWA
Xylene	1330-20-7	35-60	100	100
Ethylbenzene	100-41-4	5-15	100	100

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**3. HAZARDS IDENTIFICATION**

**EMERGENCY OVERVIEW: not considered a hazardous material under normal conditions.**

**POTENTIAL HEALTH EFFECTS:**

INHALATION: May cause dizziness.

EYE CONTACT: May irritate eyes

SKIN CONTACT: May irritate skin

INGESTION: not applicable

CHRONIC: Does not contain materials listed as cancer causative agents 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.

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**4. FIRST AID MEASURES**

INHALATION: Remove to fresh air.

EYE CONTACT: Flush with plenty of water.

SKIN CONTACT: Wash with soap and water.

INGESTION: Not applicable.

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**5. FIRE FIGHTING MEASURES**

**FLAMMABLE PROPERTIES:** Flash Point: 81° F (27°C) Method: TCC

Flammable Limits: LEL 1% UEL 7% Autoignition Temperature: 930° F

**HAZARDOUS COMBUSTION PRODUCTS:** CO, CO2.

**EXTINGUISHING MEDIA:** Alcohol foam, dry chemical, CO2.

**FIRE FIGHTING INSTRUCTIONS:** Wear self-contained breathing apparatus and full protective clothing when large amounts are involved.

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**6. ACCIDENTAL RELEASE MEASURES**

**SPILLS:** not applicable. Dispose of in accordance with all Federal, State and local laws.

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**7. HANDLING AND STORAGE**

**HANDLING:** Keep markers capped when not in use. Empty containers may contain flammable vapors.

**STORAGE:** Store in a cool, dry location.

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**8. EXPOSURE CONTROL/PERSONAL PROTECTION****ENGINEERING CONTROLS:** General exhaust**RESPIRATORY PROTECTION:** Not required in normal use.**SKIN PROTECTION:** Not required in normal use.**EYE PROTECTION:** Not required in normal use.

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**9. PHYSICAL AND CHEMICAL PROPERTIES****BOILING RANGE:** 282 °F (139 °C)**MELTING POINT:** N/A**VAPOR PRESSURE:** 5-7 mm Hg (68°F)**VAPOR DENSITY:** >1**SOLUBILITY IN WATER:** 0%**SPECIFIC GRAVITY:** ~0.91**WEIGHT/GALLON:** 7.3 – 7.9 lbs.**VOC:** NOT AVAILABLE**ODOR:** Hydrocarbon.**% VOLATILE BY VOLUME:** > 95**APPEARANCE:** Colored, opaque liquid.

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**10. STABILITY AND REACTIVITY****CHEMICAL STABILITY:** Stable.**CONDITIONS TO AVOID:** None**INCOMPATIBILITY:** Strong oxidizing agents.**HAZARDOUS DECOMPOSITION PRODUCTS:** CO, CO<sub>2</sub>.**HAZARDOUS POLYMERIZATION:** Will not occur.

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**11. TOXICOLOGICAL INFORMATION**1330-20-7 Xylene: Oral LD<sub>50</sub> 4.3g/kg. (rat); Dermal LD<sub>50</sub> 2.0g/kg. (rabbit)100-41-4 Ethylbenzene: Oral LD<sub>50</sub> 3.5g/kg. (rat), Dermal 17.8g/kg. (rabbit)

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**12. ECOLOGICAL INFORMATION**

Prevent any runoff from reaching natural waterways.

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**13. DISPOSAL CONSIDERATIONS**

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

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**14. TRANSPORT INFORMATION**

not regulated .

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**15. REGULATORY INFORMATION**

EPCRA (SARA) Sec. 313 Reportable Materials: Xylene, CAS No. 1330-20-7 and Ethylbenzene CAS No. 100-41-4. All Components are in the TSCA inventory. California Proposition 65 WARNING: this product contains a chemical known to the State of California to cause cancer (Ethylbenzene.)

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**16. OTHER INFORMATION (please see note in Section 2)**

HMIS Hazard Rating: Health 1, Fire 0, Reactivity 0

NFPA Hazard Rating: Health 1, Fire 0, Reactivity 0

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

**Caution!**

Information presented herein has been compiled from sources that we believe to be reliable and is accurate to the best of our knowledge and belief but its accuracy is not guaranteed. U-Mark, Inc. has no control over the use or storage of our products, therefore we cannot assume any responsibility or liability in connection with the use- or inability to use them. Please see our Terms and Conditions of Sale, available upon request. Specifically, our products and MSDS are supplied under the condition that Buyers and Users test our products for their intended use and make their own decision of suitability. Responsibility for compliance with all applicable Federal, State or local laws and regulations concerning the use and dissemination of this MSDS and sale and use of the material described herein rests solely upon the purchaser.