

# MATERIAL SAFETY DATA SHEET

U-MARK, Inc.

Rev. Date: August 12, 2010

## PRODUCT NAME: 300P INDUSTRIAL PAINT MARKER

### 1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Product Identifier: 300P Industrial Paint Marker

General Use: Marking on Most Surfaces

Product Color: Black, Blue, Medium Blue, Brown, Green, Bright Green, Orange, Pink, Red, Violet, White, Yellow.

**Conforms to ASTM D4236:** These markers and the inks contained within have been examined by a certified toxicologist to assure they comply with the Federal Hazardous Substance Act (FHSA) and the Labeling of Hazardous Art Materials Act (LHAMA), in accordance with ASTM D-4236.

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	30-50	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, defatting, 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 immediately.

**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, CO<sub>2</sub>, unidentified organic compounds.

**EXTINGUISHING MEDIA:** Alcohol foam, dry chemical, CO<sub>2</sub>.

**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 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° 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 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 LD<sub>50</sub> 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, UN 1210, 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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