

# MATERIAL SAFETY DATA SHEET

U-MARK, Inc.

Rev. Date: November 15, 2006

## PRODUCT NAME: 130P SELECT PAINT MARKER – GOLD AND SILVER

### 1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Product Identifier: 130P Select Paint Marker- Gold and Silver

General Use: Marking on Most Surfaces

Product Color: Gold, Silver.

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

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
Mineral Spirits	64742-88-7	40-45	500	100
Xylene	1330-20-7	3-15	100	100
Ethylbenzene	100-41-4	1-5	100	100
High Boiling Aliphatic Hydrocarbon	64742-47-8	1-5	500	100
Aluminum pigment*	7429-90-5	10-15	15mg/m3	10mg/m3
Brass Pigment**				
Copper	7440-50-8	20-25	1mg/m3	1mg/m3
Zinc	7440-66-6	1-5	not established	not estab.

\* Silver color only; \*\* Gold Color only

### 3. HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW:** Flammable liquid and vapor. May cause eye, skin and respiratory tract irritation. May effect 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. May be harmful or fatal if swallowed.

**CHRONIC:** Does not contain materials listed as cancer causative agents by NTP or OSHA. IARC (International Agency for Cancer Research) has classified Ethylbenzene as a possible human carcinogen. Repeated overexposure in animals has caused damage to the liver, kidneys, blood and lungs.

### 4. FIRST AID MEASURES

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

**EYE CONTACT:** Flush with plenty of water and call a physician immediately.

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

**INGESTION:** Do not induce vomiting. Call a physician.

### 5. FIRE FIGHTING MEASURES

**FLAMMABLE PROPERTIES:** Flash Point: 92-93° F (33-34°C) Method: SFCC

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:** Wear self-contained breathing apparatus and full protective clothing when large amounts are involved. Avoid breathing vapors. A stream of water may help to spread fire.

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**6. ACCIDENTAL RELEASE MEASURES**

**SPILLS:** Remove all ignition sources and put on proper protective equipment. Soak up with an absorbent and place in a well-ventilated area or in a closed container. If dry, the material can be disposed of with normal trash. Liquid should be placed in a covered container and held for incineration following all federal, state and local regulations.

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**7. HANDLING AND STORAGE**

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

**STORAGE:** Store in a cool, well-ventilated area away from heat, sparks, or flames.

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**8. EXPOSURE CONTROL/PERSONAL PROTECTION**

**ENGINEERING CONTROLS:** General exhaust is usually sufficient to keep vapor levels below the PELs.

**RESPIRATORY PROTECTION:** Not usually required unless in a confined area. If PELs or TLVs are exceeded, use a NIOSH approved respirator with organic vapor cartridges or canister.

**SKIN PROTECTION:** Chemical resistant gloves when skin contact is possible.

**EYE PROTECTION:** Not normally required if used as intended. Wear chemical splash goggles in compliance with OSHA if splashing is possible.

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

**BOILING RANGE:** 272 – 404°F (119 – 207°C)

**VAPOR PRESSURE:** 2.3 mm Hg (20°C)

**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:** 50-65

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**10. STABILITY AND REACTIVITY**

**CHEMICAL STABILITY:** Stable.

**CONDITIONS TO AVOID:** Ignition sources.

**INCOMPATIBILITY:** Strong oxidizing agents.

**HAZARDOUS DECOMPOSITION PRODUCTS:** CO, unidentified organic compounds.

**HAZARDOUS POLYMERIZATION:** Will not occur.

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**11. TOXICOLOGICAL INFORMATION**

64742-88-7 Mineral Spirits: Oral LD<sub>50</sub> 34.6g/kg (rat); Dermal LD<sub>50</sub> 15.4g/kg (rabbit);

64742-47-8 VM&P Naphtha: Oral LC<sub>50</sub> 3400 ppm (4H, rat.)

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.)

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**12. ECOLOGICAL INFORMATION**

Prevent spilled material from entering natural waterways.

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**13. DISPOSAL CONSIDERATIONS**

Liquid should be considered D001 Unlisted Hazardous Wastes, Characteristic of Ignitability.

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**14. TRANSPORT INFORMATION**

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

USA Ground Shipments: Consumer Commodity, ORM-D

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**15. REGULATORY INFORMATION**

EPCRA (SARA) Sec. 313 Reportable Materials: Xylene, CAS 1330-20-7, and Ethylbenzene CAS 100-41-4

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**

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

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

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

**Caution!**

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