

MATERIAL SAFETY DATA SHEET

U-MARK, Inc.

Rev. Date: November 15, 2006

PRODUCT NAME: 100P INDUSTRIAL PAINT MARKER – GOLD AND SILVER

1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Product Identifier: 100P Industrial 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.

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.

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.

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.

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

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.

11. TOXICOLOGICAL INFORMATION

64742-88-7 Mineral Spirits: Oral LD₅₀ 34.6g/kg (rat); Dermal LD₅₀ 15.4g/kg (rabbit);

64742-47-8 VM&P Naphtha: Oral LC₅₀ 3400 ppm (4H, rat.)

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 LD₅₀ 17.8g/kg. (Rabbit.)

12. ECOLOGICAL INFORMATION

Prevent spilled material from entering natural waterways.

13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORT INFORMATION

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: 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.)

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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