

# MATERIAL SAFETY DATA SHEET

**U-MARK**

Revision Date: January 30, 2007

## PRODUCT NAME: USIP STENCIL INK

### 1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Product Identifier: USIP Stencil Ink

General Use: Alcohol-based stencil ink for porous surfaces.

Product Color: Black

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

**24-hour Emergency Phone: Infotrac-800-535-5053 (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
Diacetone Alcohol	123-42-2	50-75	50	50
Dipropylene glycol methyl ether	34590-94-8	5-20	100	100
Dipropylene Glycol	57-55-6	10-30	100	100

### HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW: Combustible liquid and vapor. May cause eye and skin irritation.**

**Overexposure may cause dizziness.**

#### POTENTIAL HEALTH EFFECTS:

**INHALATION:** Excessive inhalation may cause nasal and respiratory irritation, nausea, headache or dizziness.

**EYE CONTACT:** May cause irritation, redness, and possible corneal injury.

**SKIN CONTACT:** Moderate irritation.

**INGESTION:** May cause nausea, vomiting, abdominal pain, dizziness and unconsciousness. Can cause kidney and liver damage.

**CHRONIC:** Does not contain a chemical listed as carcinogenic by NTP, IARC, and OSHA. Repeated overexposure may cause liver and blood abnormalities and kidney damage.

### 4. FIRST AID MEASURES

**INHALATION:** Remove to fresh air. Get medical attention if breathing is difficult.

**EYE CONTACT:** Flush with water immediately for 15 minutes. Get medical attention if irritation persists

**SKIN CONTACT:** Remove contaminated clothing. Wash skin thoroughly with soap and water.

**INGESTION:** Call a physician immediately. Do not induce vomiting unless directed by medical personnel. Keep person warm.

### 5. FIRE FIGHTING MEASURES

#### FLAMMABLE PROPERTIES:

Flash Point: 146°F (63°C) Method: TCC Flammable Limits: LEL 3.3%, UEL 6.9%

Auto-ignition Temperature: Not available

**HAZARDOUS COMBUSTION PRODUCTS:** CO, CO<sub>2</sub>

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

**FIRE FIGHTING INSTRUCTIONS:** When large quantities or indoor fires are involved, wear self-contained breathing apparatus and complete protective clothing.

### 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** Soak up with absorbent and hold in covered container for incineration according to all Federal,

state or provincial and local regulations. **LARGE SPILL:** Eliminate ignition sources and put on personal

protective equipment. Dike and/or pump into appropriate containers. Destroy by incineration in accordance with applicable regulations.

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**7. HANDLING AND STORAGE****HANDLING:** Wash thoroughly after handling.**STORAGE:** Store away from heat, sparks, or flames.

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**8. EXPOSURE CONTROL/PERSONAL PROTECTION****ENGINEERING CONTROLS:** General ventilation is recommended to keep vapors below exposure limits.**RESPIRATORY PROTECTION:** Not usually required unless in confined area. Then 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:** Chemical splash goggles should be used when working with chemicals.

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

Boiling Range: 174 -340°F (79 - 171°C) Melting Point: Not available

Vapor Pressure: 1 mm Hg, 68°F (20°C)

Vapor Density: 4

Solubility in Water: Soluble

Specific Gravity: 1.1 to 1.26

Weight/Gallon: 7.9 lbs.

VOC: ~ 900 g/l

Odor: mild alcohol

% Volatile by Vol.: 80%

Appearance: Black Liquid with mild alcohol odor

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**10. STABILITY AND REACTIVITY****CHEMICAL STABILITY:** (Conditions to avoid) High temperatures.**INCOMPATIBILITY:** Strong oxidizing agents, strong acids and strong alkalis.**HAZARDOUS DECOMPOSITION PRODUCTS:** CO, CO<sub>2</sub>**HAZARDOUS POLYMERIZATION:** Will not occur.

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**11. TOXICOLOGICAL INFORMATION**Diacetone alcohol: LD<sub>50</sub> 4g/kg (oral, rat), 13.5g/kg (skin, rabbit); LC<sub>50</sub> >1500 ppm (8H, rat). IDLH Level: 2100 ppm. Dipropylene glycol methyl ether: LD<sub>50</sub> 5660mg/kg (oral, rat), 9.5g/kg (skin, rat).

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**12. ECOLOGICAL INFORMATION**

Prevent any runoff from reaching natural waterways.

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**13. DISPOSAL CONSIDERATIONS**

See Section 6. Liquid waste materials would be considered Code D001 (Characteristic - Ignitability)

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**14. TRANSPORT INFORMATION**

Not regulated.

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**15. REGULATORY INFORMATION**

EPCRA (SARA) Sec. 313 Reportable Materials: None

TSCA: All components are included in the TSCA Inventory.

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**16. OTHER INFORMATION**

HMIS Hazard Rating Health 1, Fire 1, Reactivity 0

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

**Caution !**

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