

MATERIAL SAFETY DATA SHEET

U-MARK

Revision Date: August 12, 2010

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, CO₂

EXTINGUISHING MEDIA: Water spray, dry chemical, CO₂, 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.

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

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.

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

10. STABILITY AND REACTIVITY**CHEMICAL STABILITY:** (Conditions to avoid) High temperatures.**INCOMPATIBILITY:** Strong oxidizing agents, strong acids and strong alkalis.**HAZARDOUS DECOMPOSITION PRODUCTS:** CO, CO₂**HAZARDOUS POLYMERIZATION:** Will not occur.

11. TOXICOLOGICAL INFORMATIONDiacetone alcohol: LD₅₀ 4g/kg (oral, rat), 13.5g/kg (skin, rabbit); LC₅₀ >1500 ppm (8H, rat). IDLH Level: 2100 ppm. Dipropylene glycol methyl ether: LD₅₀ 5660mg/kg (oral, rat), 9.5g/kg (skin, rat).

12. ECOLOGICAL INFORMATION

Prevent any runoff from reaching natural waterways.

13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORT INFORMATION

Not regulated.

15. REGULATORY INFORMATION

EPCRA (SARA) Sec. 313 Reportable Materials: None

TSCA: All components are included in the TSCA Inventory.

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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