

MATERIAL SAFETY DATA SHEET

U-MARK, Inc.

Revision: October 18, 2004

PRODUCT NAME: 58A PERMANENT MARKER

1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Product Identifier: U-Mark 58A Permanent Marker

General Use: Marking on Most Surfaces

Product Color: Black, Blue, Yellow, White

U-Mark, Inc., 2401 West Main Street, Belleville, IL 62226

24-hour Emergency Phone: Infotrac 1-800-535-5053 (within USA & Canada), 1-352-323-3500 (International)

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS No.	% by Wt.	Exposure Limits (ppm)			
			OSHA		ACGIH	
			TWA	STEL	TWA	STEL
Diacetone Alcohol	123-42-2	<40	50		50	

3. HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS:

Note: Since each marker contains about 13 cc of the ink and the ink is released at a slow rate, when the marker is used as intended the listed hazards are believed to be more severe than will be experienced when using the marker.

INHALATION: Avoid breathing of vapor. Breathing of vapor may be harmful.

EYE CONTACT: Avoid contact with eyes. May cause severe irritation.

SKIN CONTACT: Wash thoroughly after handling.

INGESTION: Not to be ingested.

EFFECTS OF OVEREXPOSURE: Contact with eyes is extremely irritating and may cause burns. Breathing vapors will cause irritation to the nose and throat. In high concentrations may cause nausea, dizziness, headache, and stupor.

CHRONIC: Does not contain materials listed as cancer causative agents by NTP, IARC, or OSHA.

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 for fifteen minutes and call a physician immediately.

SKIN CONTACT: Stain can be removed with cold cream, rubbing alcohol, and hot towel compresses.

INGESTION: Do not induce vomiting. Call a physician. Wash out mouth with water if person is conscious.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES:

Flash Point: 143°F 61° C Method: TCC

Flammable Limits: LEL 1.8% UEL 6.9%

EXTINGUISHING MEDIA: Use carbon dioxide or dry chemical or appropriate foam. Water may be effective for cooling.

SPECIAL FIRE FIGHTING INSTRUCTIONS: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin or eyes. Addition of water will reduce intensity of flames.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Vapor may travel considerable distance to source of ignition and flash back

6. ACCIDENTAL RELEASE MEASURES

SPILL: Eliminate all sources of ignition. Spills should be contained absorbed, and placed in a leak proof container. Liquid should be incinerated following all federal, state and local regulations.

7. HANDLING AND STORAGE

HANDLING: Keep containers closed.

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

8. EXPOSURE CONTROL/PERSONAL PROTECTION

ENGINEERING CONTROLS: Local exhaust/preferable-Mechanical General/Acceptable.

RESPIRATORY PROTECTION: Air-supplied respirator in confined areas.

SKIN PROTECTION: Plastic gloves when necessary.

EYE PROTECTION: Chemical splash goggles if splashing is anticipated.

9. PHYSICAL AND CHEMICAL PROPERTIES

ODOR: Alcohol.

BOILING POINT 166 °C

APPEARANCE: Colored, opaque liquid.

SPECIFIC GRAVITY 0.931

VAPOR DENSITY: 4

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY: (CONDITIONS TO AVOID) Keep away from heat and flames.

INCOMPATIBILITY: Avoid concentrated Nitric and sulfuric acids, strong oxidizers, halogens, and halogen compounds.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may produce carbon monoxide and/or carbon dioxide, also other unidentified organic compounds may result from the resin.

HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

Diacetone alcohol: LD50 4g/kg (oral, rat), 13.5 g/kg (skin, rabbit); LC50 >1500 ppm (8H, rat).IDLH level : 2100 ppm.

12. ECOLOGICAL INFORMATION

Incinerate or bury as a solid after absorption on cementation in a licensed facility.

13. DISPOSAL CONSIDERATIONS

See section 6. Liquid waste materials would be considered Code D001 (Characteristic – Ignitability)

14. TRANSPORT INFORMATION

DOT: Printing Ink, 3, UN1210, PG III, Ltd. Qty. or Consumer Commodity, ORM-D

15. REGULATORY INFORMATION

EPCRA (SARA) Sec. 313 Reportable Materials : None. TSCA: All components are included in the TSCA Inventory.

16. OTHER INFORMATION

HMIS and NFPA Ratings 2 (Health), 2 Flammability, 0 Reactivity (4= extreme, 3 high, 2 moderate, 1 slight, 0 least)

Caution!

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