

MATERIAL SAFETY DATA SHEET

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

MANUFACTURER: SKM Industries, Inc. 24 HOUR EMERGENCY TELEPHONE

CHEMTREC U.S. 800-424-9300

ADDRESS: 1012 Underwood Road

Olyphant, PA 18447 USA CUSTOMER ID# 20350

TELEPHONE NO. FOR INFORMATION

TELEPHONE: (570) 383-3062 800-851-8464

IDENTITY: Bleed-Through Ink Marker Red PRODUCT CLASS: Solvent based marker

ITEM NO: 01502 OTHER NAMES: Super Met-al Bleed-Thru Ink

COLORS: Red Marker

DATE PREPARED: January 2013

SECTION 2. COMPOSITION INFORMATION ON INGREDIENTS

Ingredient	CAS No.	OSHA PEL	ACGIH-TLV	Recommended	%
Xylene	1330-20-7	TWA 100 ppm	TWA 100 ppm	No Data	60-70
C.I. Solvent Blue 70	TSR# 489909-	TWA 100 ppm	TWA 100 ppm	No Data	5-15
	5036-P-CH				
Aromatic Hydrocarbon	64742-95-6	TWA 100 ppm	TWA 100 ppm	No Data	1-10
1,2,4, Trimethyl Benzene	95-63-6	TWA 100 ppm	TWA 100 ppm	No Data	1-10
Ethyl Benzene	100-41-4	TWA 100 ppm	TWA 100 ppm	No Data	1-10

SECTION 3. HAZARDS IDENTIFICATION

DANGER! Harmful or fatal if swallowed. Flammable liquid. Keep away from heat and flames. Avoid eye contact. Use with adequate ventilation.

The Mighty Marker Paint marking pen contains from 13 to 20 ml of liquid. The liquid contents are only released in a controlled manner when the tip of the pen is pressed. No free liquid is present under normal conditions of use. This product presents only a minimal fire and exposure hazard.

HEALTH HAZARDS

INGESTION: Ingestion of significant amounts is extremely unlikely due to product form. Ingestion of liquid contents may cause vomiting.

EYES: Contact with the liquid contents may be mildly irritating to eyes. May cause redness and tearing.

SKIN: Prolonged and/or repeated contact with the liquid contents may produce mild irritation.

INHALATION: Overexposure is very unlikely due to product form. High concentrations may cause nasal and respiratory conditions. Intentional abuse may be harmful or fatal.

SECTION 4. FIRST AID MEASURES

INGESTION: Ingestion of significant amounts is extremely unlikely due to product form. DO NOT induce vomiting. Call physician.

EYE CONTACT: Flush thoroughly with water. Get medical attention if irritation persists.

SKIN CONTACT: Wash with soap and water. If irritation develops and persists, get medical attention.

INHALATION: Inhalation overexposure is very unlikely due to product form. If irritation is experienced, move to fresh air. Get medical attention if irritation or other symptoms develop and persist.

SECTION 5. FIRE FIGHTING MEASURES

FLASH POINT: 76°F (TCC) ASTM D56 FLAMMABLE LIMITS: LEL 1.0 UEL 13.1

EXTINGUISHING MEDIA: Use water fog, dry chemical, carbon dioxide or foam.

SPECIAL FIRE FIGHTING PROCEDURES: Firefighters should always wear positive pressure self-contained breathing apparatus and full protective clothing.

UNUSUAL FIRE/EXPLOSION HAZARDS: The liquid content of the pen is a flammable liquid; however, the pen contains a small amount of the liquid, and the contents are released only when pressure is applied to the tip.

SECTION 6. ACCIDENTAL RELEASE MEASURES

SPILL RESPONSE: Large spills of this product are unlikely due to product form. If marking pen leaks, wipe up any free liquid, and place the pen and waste in an appropriate container for disposal. In storage where large numbers of pens may be damaged, eliminate all sources of ignition, ventilate area and collect the pens into a container for disposal. Collect any released liquid with an inert absorbent and place in a container for disposal.

SECTION 7. HANDLING AND STORAGE

HANDLING: Keep product away from open flame. Keep away from children. Replace cap on pen when not in use. Avoid contact with eyes. Avoid prolonged contact with skin.

STORAGE: Store away from heat and flame.

SECTION 8. EXPOSURE CONTROL/PERSONAL PROTECTION

Ingredient	ACGIH TLV (8-hr. TWA)	U.S. OSHA PEL (8-hr. TWA)	Ontario (Canada) TWAEV	<u>UK OEL</u> (8-hr. TWA)
Xylene	100 ppm 150 ppm STEL	100 ppm 150 ppm STEL	100 ppm (435 mg/m³) 150 ppm (650 mg/m³) STEV	100 ppm (441 mg/m³) 150 ppm STEL, Skin
Ethylbenzene	100 ppm 125 ppm STEL	100 ppm 125 ppm STEL	100 ppm (435 mg/m³) 125 ppm (540 mg/m³) STEV	100 ppm (441 mg/m³) 125 ppm (552mg/m³) STEL

EYE PROTECTION: None should be needed for normal use. Avoid eye contact.

SKIN PROTECTION: None should be needed for normal use. Avoid repeated or prolonged contact with skin.

Wear impervious gloves if needed to prevent possible skin irritation.

RESPIRATORY PROTECTION: None should be needed for normal use.

VENTILATION: No special ventilation is normally required.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: 282°F SPECIFIC GRAVITY: >1 @ 70°F SOLUBILITY IN WATER: Insoluble MELTING POINT: No Data

VAPOR PRESSURE: No Data EVAPORATION RATE: Less than one (1)

VAPOR DENSITY: Greater than one (1) pH: No Data

SECTION 10. STABILITY AND REACTIVITY

STABILITY: Stable

INCOMPATIBILITY: Strong oxidizing and reducing agents. Avoid heat and open flames.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide. Hazardous polymerization

will not occur.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute Toxicity Data

Ingredient	LD50 Oral (mg/kg)	LD50 Dermal (mg/kg)	LC50 Inhalation (4 hrs.)
Xylene	5 251 (mouse)	>1 700 (rabbit)	6 350 ppm (rat)
Ethylbenzene	3 500 (rat)	15 380 (rabbit)	4 000 ppm (rat)

Chronic Toxicity Data

<u>Carcinogenicity:</u> The table below indicates whether each agency has listed any ingredient as a carcinogen.

Ingredient	<u>ACGIH</u>	IARC	NTP
Xylene	A4	Group 3	Not Listed
Ethylbenzene	А3	Group 2B	Not Listed

ACGIH: (American Conference of Governmental Industrial Hygienists)

A3 – Confirmed animal carcinogen with unknown relevance to humans

A4 – Not Classifiable as a Human Carcinogen

IARC: (International Agency for Research on Cancer)

Group 2B - The agent is possibly carcinogenic to humans

Group 3 – The agent is not classifiable as to its carcinogenicity in humans.

NTP: (National Toxicity Program)

Irritation: Normal use of marker will not result in harmful effects. Xylene may be

irritating to the skin.

Sensitization: Not likely to cause sensitization.

Not expected with normal use. Xylenes act as central nervous system

depressants when ingested and inhaled.

Teratogenicity: Not expected with normal use. Xylene is considered toxic to

developing fetuses.

Reproductive Toxicity:

Mutagenicity (Genetic Effects):

Toxicologically Synergistic Materials:

Not available.

SECTION 12. ECOLOGICAL INFORMATION

No data is currently available.

SECTION 13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Discard empty pen in trash. Dispose in accordance with federal, state and local regulations.

SECTION 14. TRANSPORT INFORMATION

Not meant to be all inclusive.

Domestic Highway (Containers <1 Quart are ORM-D)

Proper Shipping Name: Consumer Commodity

Hazard Class/Subsidiary: ORM-D UN/NA No.: None Packing Group: None Label Reequired: ORM-D

SECTION 15. REGULATORY INFORMATION

U.S. Federal Regulations

TSCA Status: All ingredients in the product are listed on the TSCA inventory.

SARA Title III:

Sec. 302/304: None Sec. 311/312: Flammable

Sec 313: Xylenes, Ethylbenzene

CERCLA RQ: Xylenes 100 lb., Ethylbenzene 1 000 lb.

California Prop 65: This product contains the following chemicals known to the State of

California to cause cancer: Ethylbenzene

Canada This product has been classified in accordance with the hazard criteria of

the Controlled Products Regulations and the MSDS contains all the

information required by the Controlled Products Regulations.

WHMIS Classification: Not Controlled.

NSNR Status (New Substance All ingredients in the product are listed, as required, on Canada's Domestic

Notifications Regulations: Substances List (DSL).

NPRI Substances (National

Pollutant Release Inventory): Xylene, Ethylbenzene

Risk Phrases: None

Saftey Phrases: S2: Keep out of reach of children.

SECTION 16. OTHER INFORMATION

HMIS and NFPA Ratings: 2 (Health), 3 (Flammability), 0 (Reactivity), B (Personal Protection) (4=extreme, 3=high, 2=moderate, 1=slight, 0=least) (B=gloves & safety glasses).

This information provided in the Material Safety Data Sheet has been compiled from our experience and data with similar commercially available materials and is believed to be accurate. No guarantee of accuracy is made. It is the user's responsibility to determine the suitability of this information for this information for the adoption of necessary safety precautions and disposal procedures. THE MANUFACTURER AND DISTRIBUTOR SHALL BE IN NO WAY RESPONSIBLE FOR THE IMPROPER USE OF THIS PRODUCT.