

# MATERIAL SAFETY DATA SHEET

Marsh Shipping Supply Co., LLC

Rev. Date: November 15, 2006

## PRODUCT NAME: M88-BKD Black Dye Valve Actuated Marker

### 1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Product Identifier: M88-BKD Black Dye Valve Actuated Marker

General Use: Marking on porous and non-porous surfaces.

Product Color: Black

Marsh Shipping Supply Co., LLC 926 McDonough Lake Rd. Collinsville, IL 62234 USA Tel: 618-343-1006

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
Xylene	1330-20-7	70-90	100	100
Ethylbenzene	100-41-4	5-15	100	100

### 3. HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW: Flammable liquid and vapor. May cause eye, skin and respiratory tract irritation. May affect 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 respiratory tract.

**EYE CONTACT:** May cause severe irritation, redness, tearing, and blurred vision.

**SKIN CONTACT:** May cause mild irritation, defatting of the skin and dermatitis.

**INGESTION:** May cause gastrointestinal irritation, nausea vomiting and diarrhea.

**CHRONIC:** Contains no materials listed as causing cancer by NTP, or OSHA. IARC (Int. Agency for Research of Cancer) has classified Ethylbenzene as a possible human carcinogen (2B). Long term overexposure may cause liver and kidney damage.

### 4. FIRST AID MEASURES

**INHALATION:** Remove to fresh air. If breathing has stopped, apply artificial respiration and call a physician immediately.

**EYE CONTACT:** Immediately flush eyes with plenty of water. Get medical attention if irritation persists.

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

**INGESTION:** Get medical attention immediately. Do not induce vomiting unless directed by a physician.

### 5. FIRE FIGHTING MEASURES

#### FLAMMABLE PROPERTIES:

Flash Point: 85°F (29°C)

Method: TCC

Flammable Limits: 1.0 % to 2.0%

Auto-ignition Temperature: Not available

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

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

**FIRE FIGHTING INSTRUCTIONS:** Use self-contained breathing apparatus and full protective clothing for large or indoor fires. A stream of water may help spread the fire.

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**6. ACCIDENTAL RELEASE MEASURES**

Remove all ignition sources and ventilate area. Absorb spilled material, and place in a container for disposal (e.g. incineration). Dispose of in accordance with all Federal, State and local regulations.

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**7. HANDLING AND STORAGE**

**HANDLING:** Wash thoroughly after handling.

**STORAGE:** Store away from heat, sparks, or flames. Store between 40°/120° F (4° / 49° C.).

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**8. EXPOSURE CONTROL/PERSONAL PROTECTION**

**ENGINEERING CONTROLS:** General ventilation is recommended to keep vapors below exposure limits.

**RESPIRATORY PROTECTION:** 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: 278° - 288°F (137° - 142°C) Melting Point: Not Applicable

Appearance: Colored Liquid

Solubility in Water: Negligible

Weight/Gallon: 6.7 lbs.

Odor: Solvent-like odor

Vapor Density: Heavier than air

Specific Gravity: 0.81

VOC: about 705g/l

% Volatile by Vol.: about 81%

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**10. STABILITY AND REACTIVITY**

**CHEMICAL STABILITY** (Conditions to avoid): Ignition sources

**INCOMPATIBILITY:** Strong oxidizing agents, inorganic acids, strong caustics, amines, ammonia.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Hydrocarbons

**HAZARDOUS POLYMERIZATION:** Will not occur.

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**11. TOXICOLOGICAL INFORMATION**

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 17.8g/kg. (rabbit)

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**12. ECOLOGICAL INFORMATION**

Prevent any runoff from reaching natural waterways.

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**13. DISPOSAL CONSIDERATIONS**

Dispose of in accordance with all applicable local and federal laws and regulations

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**14. TRANSPORT INFORMATION**

IATA, IMDG, DOT: Printing Ink, 3, UN1210, PG III;

USA Ground (Quarts or less): Consumer Commodity, ORM-D.

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**15. REGULATORY INFORMATION**

EPCRA (SARA) Sec. 313 Reportable Materials: Xylene, CAS no. 1330-20-7, and Ethylbenzene CAS No. 100-41-4.

California Proposition 65 WARNING: This product contains a chemical known to the State of California to cause cancer (Ethylbenzene.)

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**16. OTHER INFORMATION**

HMIS Hazard Rating: Health 2, Fire 3, Reactivity 0

NFPA Hazard Rating: Health 2, Fire 3, Reactivity 0

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

**Caution!**

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