



## MATERIAL SAFETY DATA SHEET

Effective Date: 1/1/2019

### 1. PRODUCT AND COMPANY IDENTIFICATION

#### Product Identification

Product Name: Black Dye Ink

Chemical Name: Ink Jet Printing Fluid

Chemical Family: Blend

#### Company Identification

Automated Marking Inc.

200 Business Park Drive, Suite 310, Armonk, NY 10504

800-345-6667

<https://handheldinkjet.com>

### 2. COMPOSITION / INFORMATION ON INGREDIENTS

#### This ink is an aqueous ink formulation

<u>Chemical Name</u>	<u>CAS Numbers</u>	<u>Amount</u>
WATER	7732-18-5	50.0 - 70.0%
EVERMAX BLACK SP LIQ	28706-25-4	5.0 - 30.0%
ETHYLENE GLYCOL	107-21-1	<30%
GLYEROL	56-81-5	<20%

### 3. HAZARDS IDENTIFICATIONS

#### Potential Health Effects

Eyes: May cause slight irritation.

Skin: Possible Irritant. Wash affected area with soap & water

Ingestion: May cause irritation if significant quantities are ingested.

Inhalation: May cause irritation if inhaled.

### 4. FIRST AID MEASURES

**Eyes:** Flush eyes thoroughly with water; seek medical attention.

**Skin:** Remove affected clothing. Wash contaminated areas with soap and water.

**Ingestion:** Ingestion of ink may result in gastric disturbances. Dilute with water and seek medical attention.

**Inhalation:** None expected but if occurs remove from exposure.



## **5. FIRE FIGHTING MEASURES**

Flammable Properties: Will not burn.

Extinguishing Media: Use water fog, foam, CO<sub>2</sub>, or dry chemical.

NFPA Rating: Health-1, Flammability-0, Reactivity-0, Special Hazards-None.

Fire and Explosion Hazards: None

Fire Fighting Instructions: Avoid inhalation of smoke.

## **6. ACCIDENTAL RELEASE MEASURES**

Ink can be absorbed and placed in a suitable container for disposal

## **7. HANDLING AND STORAGE**

Handling: Avoid contact with eyes, skin and clothing.

Storage Precautions: Standard room temperature.

Keep out of reach of children.

Work/Hygienic Practices: Avoid contamination of food, drink ...etc.

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Exposure Controls: No special ventilation requirement, good general ventilation should be sufficient to control airborne levels.

Eye/Face Protection Requirements: Wear safety glasses or goggles if splashing is possible.

Skin Protection: None required when used as intended in printer equipment. Respiratory

Protection: None required when used as intended in printer equipment.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance: Black aqueous ink

Odor: None

Basic Physical Properties: Boiling Point (Inks): > 100°C

Flash point: > 100°C

Solubility in Water: Miscible

Melting/Freezing Point: ~0°C

PH: 8.0+/-1.0



## **10. STABILITY AND REACTIVITY**

Stability: Stable

Conditions to Avoid (stability): Excessive heat, sparks or open flame, strong oxidizing agents, acids or alkalis.

Hazardous Decomposition Products: In the case of fire, oxides of carbon, Nitrogen and sulfur may be produced.

Conditions to Avoid (Polymerization): Hazardous polymerization will not occur.

## **11. TOXICOLOGICAL INFORMATION**

Miscellaneous Toxicological Information Mutagenicity: No data available.

Carcinogens: No data available. However, this product contains no components known to the laws of the United States to cause cancer.

Medical Conditions Aggravated by Exposure: None.

## **12. ECOLOGICAL INFORMATION**

Environmental Hazard: No data available.

## **13. DISPOSAL CONSIDERATIONS**

No special techniques beyond normal practice. Insure conformity with Federal, State or local laws/regulations/rules.

## **14. TRANSPORT INFORMATION**

Proper shipping name: Not regulated.

Hazard class number and description: Not applicable

Packing Group: Not regulated.

UN Identification: Not regulated.

ICAO/IATA Class: Not regulated.

IMDG Class: Not regulated.

ADR/RID Class: Not regulated.

Miscellaneous: Not a regulated article under DOT, IATA, ADR, or RID.

## **15. REGULATORY INFORMATION**

Toxic Substances Chemical Inventory (TSCA): This product (and/or all of its components) is in compliance with USEPA TSCA.



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## **16. OTHER INFORMATION**

### **Disclaimer of Expressed and Implied Warranties**

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