



## **SAFETY DATA SHEET**

### **1. IDENTIFICATION**

**Product Name:** DS-BLACK-V2-5  
**General Use:** May be used for ink-jet printing on textile.  
**Product Description:** Water based ink of pigment.  
**Company Name:** M&R Printing Equipment, Inc.  
**Address:** 440 Medinah Road  
Roselle, IL 60172-2329  
**Telephone No.:** (800) 736-6431  
**EMERGENCY TELEPHONE NUMBER:** Chemtrec: within USA and Canada: 1-800-441-3637  
Within USA (Toll-Free): 1-800-424-9300  
Outside USA and Canada: +1 (703) 741-5970

### **2. HAZARDS IDENTIFICATION**

#### **CLASSIFICATION**

**Health Hazard:** Not classified.  
**Physical Hazard:** Not classified.  
**Signal Word:** None.  
**Hazard Statement:** None.  
**Symbol:** None.  
**Precautionary Statements:** None.

### **3. COMPOSITION/INFORMATION ON INGREDIENTS**

Component(s)	CAS #	Approx. %
Fixing agent	Trade secret	< 20
Wetting agent	Trade secret	< 50
Carbon black	1333-86-4	< 10
Methanol	67-56-1	< 0.3
Non-hazardous and other ingredients below reportable levels	N/A	Balance

V.O.C. CONTENT: < 100 g/L

### **4. FIRST AID MEASURES**

**INHALATION:** If inhale a large quantity, remove to fresh air and lie still. Seek medical attention as needed.  
**EYE:** Immediately flush eyes with water for at least 15 minutes. Seek medical attention as needed.  
**SKIN:** Wash with mild soap and water.  
**INGESTION:** Rinse mouth thoroughly with water. Induce vomiting if possible. Seek medical attention as needed.  
**PROTECTION TO FIRST-AIDERS:** Wear personal protective clothing and equipment.  
**NOTE TO PHYSICIAN:** Treat symptomatically.

### **5. FIRE FIGHTING MEASURES**

**SUITABLE EXTINGUISHING MEDIA:** Use water, dry chemical, foam, or CO<sub>2</sub> gas. (This product is not combustible under normal conditions due to its aqueous property.)  
**UNSUITABLE EXTINGUISHING MEDIA:** Not available.  
**SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:** Not available.  
**SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE-FIGHTERS:** In case of fire, wear respirator.

## 6. ACCIDENTAL RELEASE MEASURES

### PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES: METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:

Wear suitable personal protective equipment as needed.

For small spill, absorb with dry sand, saw dust or rag, and collect into container for disposal. Wipe the remaining up with rag. For large spill, dike with soil, blankets or sandbags to prevent from contaminating soil and collect into container with shovel or vacuum. Avoid releasing spilled material into rivers and/or lakes. If material is released to public water, advice local authority.

## 7. HANDLING AND STORAGE

### PRECAUTIONS FOR SAFE HANDLING

#### Protective Measures:

Wear suitable protective equipment and clothing as needed to prevent the material from contacting skin and eyes. Use only in a well-ventilated area.

**Advice on General Occupational Hygiene:** Wash thoroughly after handling. Do not eat, drink, or smoke during work.

### CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

**Technical Measures Storage Conditions:** Store in a cool and dark place away from direct sunlight. Avoid freezing. Keep container tightly closed.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### EXPOSURE LIMIT VALUES:

<u>Carbon black</u>	ACGIH - TLV (TWA):	3 mg /m <sup>3</sup>
	OSHA – PEL:	3.5 mg /m <sup>3</sup>
<u>Methanol</u>	ACGIH - TLV (TWA):	200 ppm
	ACGIH - TLV (STEL):	250 ppm
	OSHA:	200 ppm, 260 mg/m <sup>3</sup>

### EXPOSURE CONTROLS

#### Occupational Exposure Controls:

Local exhaust ventilation or general ventilation is recommended during indoor operation.

#### Personal Protection

##### Respiratory Protection:

Not necessary under normal handling condition.

##### Hand Protection:

Wear rubber or plastic gloves.

##### Eye Protection:

Wear safety glasses or goggles.

##### Skin Protection:

Wear long pants, long sleeves, and boots when applicable.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Black liquid.
<b>Odor:</b>	Slight odor.
<b>pH:</b>	8.0 ± 1.0
<b>Melting Point:</b>	Approx. 0 °C
<b>Boiling Point:</b>	Approx. 100 °C
<b>Flash Point:</b>	Not available.
<b>Evaporation Rate:</b>	Not available.
<b>Flammability:</b>	If this product is dry, it may be flammable.
<b>Explosive Properties:</b>	Not applicable.
<b>Oxidizing Properties:</b>	Not applicable.
<b>Vapor Pressure:</b>	Not available.
<b>Relative Density:</b>	1.0 – 1.2
<b>Solubility (Water):</b>	Miscible.
<b>Partition Coefficient (n-octanol/water):</b>	Not available.
<b>Auto-Ignition Temperature:</b>	Not applicable.
<b>Decomposition Temperature:</b>	Not available.
<b>Viscosity:</b>	Not available.

#### 10. STABILITY AND REACTIVITY

<b>REACTIVITY:</b>	No specific reactivity under normal condition.
<b>CHEMICAL STABILITY:</b>	Stable under normal handling and using condition.
<b>POSSIBILITY OF HAZARDOUS REACTION:</b>	None.
<b>CONDITIONS TO AVOID:</b>	None.
<b>INCOMPATIBLE MATERIALS:</b>	None.
<b>HAZARDOUS DECOMPOSITION PRODUCTS:</b>	None.

#### 11. TOXICOLOGICAL INFORMATION

<b>Acute Toxicity:</b>	Oral LD <sub>50</sub> > 5,000 mg/kg (Calculation data)
<b>Eye Irritation:</b>	Not available.
<b>Skin Irritation:</b>	Not available.
<b>Carcinogenicity:</b>	Not applicable.
<b>LOCAL EFFECT:</b>	It may cause inflammation if it is attached to the skin for a long time or sensitive skin.

#### 12. ECOLOGICAL INFORMATION

<b>ECOTOXICITY:</b>	Fish LC <sub>50</sub> > 5,000 mg/L (Calculation data)
<b>MOBILITY:</b>	Not available.
<b>PERSISTENCE AND BIODEGRADABILITY:</b>	Not available.
<b>BIOACCUMULATIVE POTENTIAL:</b>	Not available.
<b>OTHER ADVERSE EFFECTS:</b>	Not available.

#### 13. DISPOSAL INFORMATION

Comply with all federal, state and local regulations.  
Do not dump this product into sewers, on the ground or into any body of water.

#### 14. TRANSPORT INFORMATION

##### US DEPARTMENT OF TRANSPORTATION (DOT)

<b>Hazardous Materials:</b>	Not regulated.
<b>Hazardous Materials Description and Proper Shipping Name:</b>	Not regulated.
<b>Hazard Class or Division:</b>	Not regulated.
<b>Identification Number:</b>	Not regulated.
<b>Packing Group:</b>	Not regulated.
<b>Label(s) Required:</b>	Not regulated.

##### SEA TRANSPORT

##### IMDG

<b>Class:</b>	Not regulated.
<b>Packing Group (PG):</b>	Not regulated.
<b>UN Number:</b>	Not regulated.
<b>Proper Shipping Name:</b>	Not regulated.
<b>Marine Pollutant:</b>	Not regulated.

##### AIR TRANSPORT

##### ICAO/IATA

<b>Class:</b>	Not regulated.
<b>Packing Group (PG):</b>	Not regulated.
<b>UN Number:</b>	Not regulated.
<b>Proper Shipping Name:</b>	Not regulated.

**15. REGULATORY INFORMATION**

<b>OSHA STATUS:</b>	This product is not considered to be hazardous under 29 CFR 1910.1200.		
<b>TSCA STATUS:</b>	All components on TSCA INVENTORY.		
<b>CA Prop. 65:</b>	<b>⚠ WARNING:</b> This product can expose you to chemicals including Methanol, which is known to the State of California to cause developmental effect. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> .		
<b>CERCLA REPORTABLE QUANTITY (40 CFR 117, 302):</b>	Methanol	Reportable Quantity: 2270 kg	
<b>SARA TITLE III</b>			
<b>Section 302 (40 CFR 355) –</b>			
<b>Extremely hazardous substance:</b>	Not applicable.		
<b>Section 311/312 (40 CFR 370) –</b>			
<b>Hazard categories:</b>	Immediate (acute) health hazard	N	
	Delayed (chronic) health hazard	N	
	Fire hazard	N	
	Sudden release of pressure	N	
	Reactive	N	
<b>Section 313 (40 CFR 372) –</b>			
<b>Toxic chemical:</b>	Not applicable.		
<b>CONEG – Typical Metals present in ppm:</b>	Cadmium (Cd)	N	
	Hexavalent Chromium (Cr(VI))	N	
	Lead (Pb)	N	
	Mercury (Hg)	N	
<b>HMIS Ratings:</b>	Health:	1	
	Flammability:	0	
	Reactivity:	0	
	Protection:	C	
	(0 = Minimal, 1 = Slight, 2 = Moderate, 3 = Serious, 4 = Severe)		
<b>ENCS (Japan):</b>	Components listed.		
Please refer to any other federal, state and local regulations.			
For specific questions please call M&R Printing Equipment, Inc. (800) 736-6431			

**16. OTHER****ABBREVIATIONS**

OSHA:	The Occupational Safety and Health Administration
NTP:	National Toxicology Program
IARC:	International Agency for Research on Cancer
ACGIH:	American Conference of Governmental Industrial Hygienists, Inc.
IMDG:	International Maritime Dangerous Goods
ICAO:	International Civil Aviation Organization
IATA:	International Air Transport Association
TSCA:	Toxic Substances Control Act
CERCLA:	Comprehensive Environmental Response, Compensation and Liability Act of 1980
SARA:	Superfund Amendments and Reauthorization Act of 1986
CONEG:	the Coalition of Northeastern Governors
ENCS:	Existing and New Chemical Substances

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