



# MATERIAL SAFETY DATA SHEET

## MI-GLOW<sup>®</sup> 118

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION:

#### CIRCLE SYSTEMS, INC.

479 W. Lincoln, P.O. Box 1228

Hinckley, IL 60520

815-286-3271 / After Hours EMERGENCY RESPONSE: Chem-tel 800-255-3924

TRADE NAME: **MI-GLOW<sup>®</sup> 118**

FORMULA: A fluorescent magnetic powder

HMIS Rating: Health 1, Flammability 0, Reactivity 0

### 2. COMPOSITION, INFORMATION ON INGREDIENTS:

<u>MATERIAL</u>	<u>C.A.S. #</u>	<u>%</u>	<u>TLV</u>
Iron Oxide	1317-61-9	<30	10 mg/m <sup>3</sup>
Iron Powder	7439-89-6	<60	10 mg/m <sup>3</sup>

### 3. HAZARDS IDENTIFICATION:

THRESHOLD LIMIT VALUE: 10 mg/m<sup>3</sup> for dust

EFFECTS OF OVEREXPOSURE: Slightly dusty material may cause eye, skin, and mucus irritation

### 4. FIRST AID MEASURES:

EYES: Flush with copious amounts of water

INHALATION: Remove subject to fresh air

SKIN: Flush with water

INGESTION: n/a

*SEEK MEDICAL ATTENTION IN ALL CASES*

### 5. FIRE FIGHTING MEASURES:

FLASH POINT (METHOD USED): n.a.

FLAMMABLE LIMITS: n.a.

EXTINGUISHING MEDIA: Water, CO<sub>2</sub>

UNUSUAL FIRE AND EXPLOSION HAZARDS: n.a.

SPECIAL FIRE FIGHTING PROCEDURES: Fog nozzle and fine spray to prevent dusting

### 6. ACCIDENTAL RELEASE MEASURES:

Vacuum or carefully sweep up material into container and dispose of according to federal, state, and local regulations.

### 7. HANDLING AND STORAGE:

Keep material dry and clean. It is essential that the material be kept clean and dry before use for best performance.

### 8. EXPOSURE CONTROLS, PERSONAL PROTECTION:

VENTILATION REQUIREMENTS: Local exhaust if OSHA limits are exceeded

SPECIFIC PERSONAL PROTECTIVE EQUIPMENT:

EYE: Safety glasses or goggles

RESPIRATORY: Recommended – Powder or dust mask if OSHA limits are exceeded

GLOVES: Recommended

OTHER CLOTHING & EQUIPMENT: n.a.

### 9. PHYSICAL AND CHEMICAL PROPERTIES:

BOILING POINT: n.a.

SPECIFIC GRAVITY (H<sub>2</sub>O=1): 1.2

VAPOR PRESSURE: Water; CO<sub>2</sub>

% VOLATILE BY VOLUME: n.a.

VAPOR DENSITY (AIR=1): n.a.

EVAPORATION RATE (ETHER=1): n.a.

SOLUBILITY IN WATER: Negligible

APPEARANCE & ODOR: Forest green powder, odorless

### 10. STABILITY AND REACTIVITY:

STABILITY: Stable

HAZARDOUS DECOMPOSITION PRODUCTS: n.a.

INCOMPATIBILITY: Strong oxidizers

HAZARDOUS POLYMERIZATION: Will not occur

---

**11. TOXICOLOGICAL INFORMATION:**

TLV (Threshold Limit Value): 10 mg/m<sup>3</sup> for dust

CARCINOGENICITY: Contains no known suspected carcinogens listed with OSHA, IARC, NTP, or ACGIH

---

**12. ECOLOGICAL INFORMATION:**

No available data.

---

**13. DISPOSAL CONSIDERATIONS:**

Dispose of all the waste material according to applicable federal, state, and local regulations.

---

**14. TRANSPORT INFORMATION:**

D.O.T. SHIPPING NAME: Not Regulated

D.O.T. Hazard Class: None

U.N./N.A. Number: None

Canadian Labels: Not Applicable

---

**15. REGULATORY INFORMATION:**

TSCA (Toxic Substance Control Act): Components of this product are listed on the TSCA Inventory.

CERCLA (Comprehensive Response Compensation, and Liability Act): NOT Reportable.

SARA TITLE III (Superfund Amendments and Reauthorization Act), SECTION 313 (Reportable Ingredients): No reportable ingredients.

CALIFORNIA PROPOSITION 65: Contains nothing on this list.

---

**16. OTHER INFORMATION:**

PREPARED BY: Deborah A. Shreve

TITLE: Vice President/Director of Quality Control

ISSUE DATE: January 07, 2008

SUPERSEDES DATE: January 12, 2007

---

---

**DISCLAIMER:** OUR TECHNICAL ADVICE, INFORMATION & STATEMENTS - GIVEN VERBALLY, IN WRITING OR IN THE FORM OF TEST RESULTS - IS OFFERED FOR YOUR GUIDANCE WITHOUT WARRANTY. **NO WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS MADE.** IT IS THE USER'S RESPONSIBILITY TO TEST THE SUITABILITY OF EACH PRODUCT FOR HIS INTENDED PROCESS AND APPLICATIONS. OUR GUARANTEE IS LIMITED TO THE CONSISTENT QUALITY OF OUR PRODUCTS.

---