



# MATERIAL SAFETY DATA SHEET

## MI-GLOW<sup>®</sup> 800L

### 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> 800L**

FORMULA: A fluorescent magnetic powder in a petroleum hydrocarbon distillate

HMIS Rating: Health 1, Flammability 1, Reactivity 0

### 2. COMPOSITION, INFORMATION ON INGREDIENTS:

<u>MATERIAL</u>	<u>C.A.S. #</u>	<u>%</u>	<u>TLV</u>
Petroleum Hydrocarbon Distillate	64742-47-8	95	No limit
Iron Oxide	1317-61-9	<1	10 mg/m <sup>3</sup>

### 3. HAZARDS IDENTIFICATION:

THRESHOLD LIMIT VALUE: n.a.

EFFECTS OF OVEREXPOSURE: Avoid eye and skin contact. Product may be slightly irritating to eyes upon direct contact. Product is non-irritating to skin upon direct contact but prolonged or repeated exposure may result in dermatitis which makes the skin more susceptible to other irritants. There is a Threshold Limit value (TLV) for oil mist of 5 mg/m<sup>3</sup>. Product is not expected to present an inhalation hazard. However, caution should be taken to prevent aerosolization or misting. Do not ingest. Ingestion of small quantities is usually not fatal unless aspiration occurs. Aspiration may lead to chemical pneumonitis which is characterized by pulmonary edema and hemorrhage, and may be fatal.

### 4. FIRST AID MEASURES:

EYES: Flush with copious amounts of water; continue flushing until irritation subsides.

INHALATION: Remove subject to fresh air. If breathing has stopped or is irregular, administer artificial respiration and supply oxygen if it is available.

SKIN: Wash contaminated area thoroughly with soap and water.

INGESTION: DO NOT induce vomiting; call a physician immediately.

*SEEK MEDICAL ATTENTION IN ALL CASES*

### 5. FIRE FIGHTING MEASURES:

FLASH POINT (METHOD USED): 215°F (Pensky Martins Closed Cup)

FLAMMABLE LIMITS: Lower – 1.1%; Upper – 6.0%

EXTINGUISHING MEDIA: Foam, water spray, dry chemical, carbon dioxide

SPECIAL FIRE FIGHTING PROCEDURES: Water may be ineffective but can be used to cool fire-exposed containers. Water or foam may cause frothing to occur when sprayed into burning containers.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Dense smoke may be generated while burning. Carbon monoxide, carbon dioxide, and other oxides may be generated as products of combustion.

### 6. ACCIDENTAL RELEASE MEASURES:

Contain spill immediately. Do not allow spill to enter sewers or water courses. Remove all sources of ignition. Absorb with appropriate inert material such as sand, clay, etc.

### 7. HANDLING AND STORAGE:

Store in closed containers away from heat, sparks, open flame, and oxidizing materials. Fire extinguishers should be kept readily available. Do not transfer to unmarked containers.

OTHER PRECAUTIONS: Equipment using any solvent must be fully insulated and grounded to avoid possible explosion. No smoking or open lights. Consumption of food and beverage should be avoided in work areas where hydro-carbons are present. Always wash hands and face with soap and water before eating, drinking or smoking.

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**8. EXPOSURE CONTROLS, PERSONAL PROTECTION:**

VENTILATION REQUIREMENTS: Local exhaust if OSHA limits are exceeded; adequate ventilation when vapor or mist is generated. Avoid continuous breathing of vapors and spray mist.  
SPECIFIC PERSONAL PROTECTIVE EQUIPMENT:  
RESPIRATORY: As needed in confined or enclosed spaces; when vapor or mist is generated.  
EYE: Splash-proof safety goggles or plastic face shield.  
GLOVES: Recommended for prolonged or repeated exposure – impervious synthetic rubber  
OTHER CLOTHING & EQUIPMENT: Impervious synthetic rubber boots, apron, etc. over body parts subject to prolonged exposure.

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**9. PHYSICAL AND CHEMICAL PROPERTIES:**

BOILING POINT: 464-525°F	SPECIFIC GRAVITY (H <sub>2</sub> O=1): 0.8
VAPOR PRESSURE: <.1 mg @ 70°F	% VOLATILE BY VOLUME: 99
VAPOR DENSITY (AIR=1): 6.72	EVAPORATION RATE (ETHER=1): n.a.
SOLUBILITY IN WATER: Negligible	APPEARANCE & ODOR: Forest green liquid, odorless

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**10. STABILITY AND REACTIVITY:**

STABILITY: Stable	HAZARDOUS DECOMPOSITION PRODUCTS: n.a.
INCOMPATIBILITY: Strong oxidizers	HAZARDOUS POLYMERIZATION: Will not occur

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**11. TOXICOLOGICAL INFORMATION:**

TLV (Threshold Limit Value): n.a.  
CARCINOGENICITY: Contains no known suspected carcinogens listed with OSHA, IARC, NTP, or ACGIH

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**12. ECOLOGICAL INFORMATION:**

No available data.

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**13. DISPOSAL CONSIDERATIONS:**

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

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**14. TRANSPORT INFORMATION:**

D.O.T. SHIPPING NAME:	Not Regulated.
D.O.T. Hazard Class:	None
U.N./N.A. Number:	None
Canadian Label:	Not Applicable

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**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.

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**16. OTHER INFORMATION:**

PREPARED BY: Deborah A. Shreve  
TITLE: Vice President/Director of Quality Control  
ISSUE DATE: January 7, 2008  
SUPERSEDES DATE: January 10, 2007

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