



MATERIAL SAFETY DATA SHEET

MI-GLOW[®] 218X

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 Contract# MIS0001649

TRADE NAME: **MI-GLOW[®] 218X**

FORMULA: A fluorescent magnetic powder, water conditioner and surfactant mixture

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	<15	10 mg/m ³
Iron Powder	7439-89-6	<30	10 mg/m ³

REMARKS – A larger percentage of this material consists of a combination of water conditioner and rust preventative mixture which is not considered hazardous.

3. HAZARDS IDENTIFICATION:

THRESHOLD LIMIT VALUE: 10 mg/m³ 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; CO₂

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 (H₂O=1): 1.1

VAPOR PRESSURE: n.a.

% VOLATILE BY VOLUME: n.a.

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

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

SOLUBILITY IN WATER: Appreciable

APPEARANCE & ODOR: Green powder with a slight detergent odor.

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/m³ 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 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

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