



**MATERIAL SAFETY DATA SHEET**  
**SIRCHEM<sup>®</sup> DRY POWDER 66 YELLOW**

**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: **SIRCHEM<sup>®</sup> DRY POWDER 66 YELLOW**

FORMULA: A mixture of iron powder and pigments

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 Powder	7439-89-6	>90	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: Graphite, Sodium Chloride

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

UNUSUAL FIRE AND EXPLOSION HAZARDS: Fine dry dust exceeding minimum explosive concentration can explode in presence of ignition.

**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 clean and dry until ready to use. Severe dusting in enclosed area may explode from ignition source.

OTHER PRECAUTIONS: Dust-tight wiring, fixtures, etc. recommended. Physical properties may deteriorate if stored in conditions of excessive moisture.

**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): 2.5

VAPOR PRESSURE: n.a.

% VOLATILE BY VOLUME: n.a.

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

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

SOLUBILITY IN WATER: Negligible

APPEARANCE & ODOR: Yellow powder, odorless

**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): 10 mg/m<sup>3</sup> for dust

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:**

Vacuum material up and return to container. Dispose of according to 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 Labels: 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

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