



MATERIAL SAFETY DATA SHEET
SIRCHEM[®] DRY POWDER 95 Fluorescent Green

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[®] DRY POWDER 95 Fluorescent Green**

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 ³ |

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: Do not induce vomiting. Drink large amounts of water.

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 (H₂O=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: Light 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/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:

Vacuum material up and return to container. Dispose of according to 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 11, 2012

SUPERSEDES DATE: January 12, 2011

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.
