MATERIAL SAFETY DATA SHEET
Magnetic Inspection Powder - PARKER GP5 GRAY

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 61 GRAY (PARKER GP5 GRAY)
FORMULA: A mixture of iron powder and pigments
HMIS Rating: Health 1, Flammability 0, Reactivity 0

2. COMPOSITION, INFORMATION ON INGREDIENTS:

<table>
<thead>
<tr>
<th>MATERIAL</th>
<th>C.A.S. #</th>
<th>%</th>
<th>TLV</th>
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<tbody>
<tr>
<td>Iron Powder</td>
<td>7439-89-6</td>
<td>&gt;90</td>
<td>10 mg/m³</td>
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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: Gray 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 15, 2013  
   SUPERSEDES DATE: January 11, 2012

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