

# MSDS Information

## Section 1

Product Name: Magnetic Powder Cores, Super Flux(Fe-Si)

Manufacturer: Samwha Electronics Co., Ltd.

#124-2, Buk-Ri, Namsa-Myun, Cheoin-Gu, Yongin-Si, Gyeonggi-Do, Korea  
Tel : 82-(0)31-333-4421, Fax : 82-(0)31-333-4803, Internet><http://www.samwha.com>

## Section 2 INFORMATION ON HAZARDOUS INGREDIENTS

| Chemical      | OSHA PEL            | ACGIH TLV           | CAS number | Weight% |
|---------------|---------------------|---------------------|------------|---------|
| Iron(dust)    | NIF                 | 10mg/m <sup>3</sup> | 7439-89-6  | >90%    |
| Silicon(dust) | 15mg/m <sup>3</sup> | 10mg/m <sup>3</sup> | 7440-21-3  | <10%    |
| Total         |                     |                     |            | 100%    |

## Section 3 HAZARD IDENTIFICATION

**Inhalation:** Non-irritating under normal usage.

**Eyes:** Will irritate eyes

**Skin:** May dry skin.

**Ingestion:** Maybe harmful.

## Section 4 FIRST AID MEASURES

**Inhalation:** Move to fresh air and contact a physician if necessary.

**Eye Contact:** Flush eyes with large amounts of water for 15 minutes or until irritation subside. If irritation persists, get medical attention.

**Skin Contact:** Wash with soap and water.

**Ingestion:** Go to see a doctor.

## Section 5 FIRE FIGHTING MEASURES

**Flash Point & Method:** Unknown

**Fire Fighting Instructions:** Unknown

**Extinguishing Media:** Water, Foam

**Fire Fighting Equipment:** Unknown

## Section 6 ACCIDENTAL RELEASE MEASURES

**Land spill:** Place spilled material in to appropriate waste containers for disposal in accordance with local regulations.

## Section 7 HANDLING AND STORAGE

Storage Temperatures: Ambient  
Storage Pressure: Atmospheric

General: Keep container closed when not in use. Store in cool, well ventilated place out of direct sunlight and away from incompatible materials. (See STABILITY AND REACTIVITY Section 10). Follow all MSD sheet and Label warnings even after container is emptied.

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| <b>Section 8</b> | <b>EXPOSURE CONTROL / PERSONAL PROTECTION</b> |
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Engineering Controls: Local Exhaust ventilation acceptable

Personal Protection:

**Respirator:** Necessary.  
**Hand Protection** Necessary  
**Eye Protection:** Necessary.

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| <b>Section 9</b> | <b>PHYSICAL AND CHEMICAL PROPERTIES</b> |
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|                                   |                                  |
|-----------------------------------|----------------------------------|
| Density.....7.9                   | pH.....NA                        |
| Boiling Point..... NA             |                                  |
| Freezing Point..... NA            | Solids.....NA                    |
| Vapor Density (Air=1)... NA       | Physical State.....Solid         |
| Evaporation Rate (H2O=1)...1 est. | Solubility in Water.....Miscible |
| Molecular Weight..... NA          | Viscosity.....NA                 |
| Non-Exempt VOC (g/1).. NA         | Odor.....No odor                 |

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| <b>Section 10</b> | <b>STABILITY AND REACTIVITY</b> |
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**General:** Stable.

**Incompatible Materials and Conditions to Avoid:** It should be avoided over 2650°F

**Hazardous Decomposition:** NA

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| <b>Section 11</b> | <b>TOXICOLOGY INFORMATION</b> |
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No information.

**CARCINOGENICITY:**

NTP..... NO  
IARC..... IARC  
OSHA..... NO

International Agency for Research on Cancer (IARC) Monograph Vol. 68, 1997, concludes that there is sufficient evidence that inhaled crystalline silica causes cancer in humans. IARC Classification is Group 1.

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| <b>Section 12</b> | <b>ECOLOGICAL INFORMATION</b> |
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Information not available.

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| <b>Section 13</b> | <b>DISPOSAL CONSIDERATIONS</b> |
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RCRA 40 CFR 261 Classifications:

As packaged and after use, it does not meet the criteria of a hazardous waste as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261, since it has neither the characteristics of Subpart C nor is listed in Subpart D.

Federal, State, and Local laws governing disposal of material can differ.

Ensure proper disposal compliance with proper authorities before disposal.

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| <b>Section 14</b> | <b>TRANSPORTATION INFORMATION</b> |
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U.S. DOT Information

Proper Shipping Name: Non Hazardous Material

Hazard Class: NA

IATA

Proper Shipping Name: NON HAZARDOUS MATERIAL

Hazard Class: NA

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| <b>Section 15</b> | <b>REGULATORY INFORMATION</b> |
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United States Federal Regulations:

MSDS complies with the OSHA Hazard Communication Rule, 29 CFR 1910.1200.

CERCLA/Superfund, 40 CFR 117.302:

---None of the chemicals are CERCLA hazards ---

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| <b>Sections 16</b> | <b>OTHER INFORMATION</b> |
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