

# SAFETY DATA SHEET

## 1. Product and Company Identification

Product Name: **MAGNALITE FY-6400S**  
Company Name: Denshijiki Industry Co., Ltd.  
Address: 5-6-20 Ukima, Kita-Ku, Tokyo  
Section in Charge: Development department  
Telephone: +81-3-5970-8681 FAX: +81-3-5970-8680  
Emergency Telephone: Same as the section in charge  
Date of Creation: May 18, 2001 Date of Revision: August 22, 2016  
Reference Number: SDS15110-10e  
Product Code: 15110  
Recommended Uses and Restrictions on Use: Magnetic particle testing

## 2. Hazards Identification

### GHS Classification

Physical Hazards	Flammable solid	Not classified
	Oxidizing solids	Classification not possible
	Corrosive to metals	Classification not possible
Health Hazards	Acute toxicity (oral)	Classification not possible
	Acute toxicity (dermal)	Classification not possible
	Acute toxicity (inhalation; dust)	Classification not possible
	Skin corrosion/irritation	Classification not possible
	Serious eye damage/eye irritation	Classification not possible
	Respiratory sensitization	Classification not possible
	Germ cell mutagenicity	Classification not possible
	Carcinogenicity	Classification not possible
	Reproductive toxicity	Classification not possible
	Specific target organ toxicity (single exposure)	Classification not possible
Environmental Hazards	Specific target organ toxicity (repeated exposure)	Classification not possible
	Aspiration hazard	Classification not possible
	Hazardous to the aquatic environment (acute)	Classification not possible
	Hazardous to the aquatic environment (chronic)	Classification not possible
	Hazardous to the ozone layer	Classification not possible

### GHS Label Elements

Pictograms: Not restricted  
Signal Word: Not restricted  
Hazard Statement: Not restricted  
Precautionary Statement:

Prevention Do not breathe dusts or mists.  
Wash hands thoroughly after handling.  
Do not eat, drink or smoke when using this product.  
Wear protective gloves/eye protection.  
Response IF ON SKIN: Wash with plenty of water and soap.  
If skin irritation occurs, get medical advice/attention.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention.

If inhaled, remove person to fresh air and keep comfortable for breathing.

If swallowed or you feel unwell, call a POISON CENTER/doctor.

Storage Store in a cool place, away from direct sunlight.

Keep container tightly closed. Store locked up.

Disposal Dispose of contents/container at an approved waste disposal plant in accordance with local/regional/national regulations.

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### 3. Composition/Information on Ingredients

Substance/Mixture: Mixture

Chemical Name or Common Name	Content (%)	CAS No.
Iron	60-80	7439-89-6
Fluorescent pigment	10-25	Registered
Melamine resin	4-10	9003-08-1

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### 4. First Aid Measures

- IF INHALED : Remove person to fresh air and keep comfortable for breathing.  
Call a POISON CENTER/doctor, if you feel unwell.
- IF ON SKIN : Wash with plenty of water and soap. If skin irritation occurs, get medical advice/attention.
- IF IN EYES : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Rinse for at least 15 minutes, and then get medical attention.
- IF SWALLOWED : If the product remains in the mouth, rinse thoroughly.  
Do NOT induce vomiting.

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### 5. Firefighting Measures

- Extinguishing Media : Dry chemical, foam fire extinguishing agent, etc.
- Inappropriate Extinguishing Media : Straight stream of water
- Specific Hazards : When fighting fire, avoid inhalation of fumes as the combustion gases include carbon monoxide and other toxic gases.
- Special Firefighting Procedures : Perform fire-fighting from the windward side, and wear respiratory protection if needed. Remove containers from the fire area, if it can be done safely. To prevent the fire from spreading, remove nearby flammable materials if safe to do so.
- Protection of Firefighters : Wear respiratory protection.

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### 6. Accidental Release Measures

- Personal Precautions, Protective Equipment and Emergency Procedures : When dealing with the released material, wear appropriate protective equipment (refer to Section 8. Exposure Controls/Personal Protection) to avoid contact with eyes and skin or inhalation of dust.
- Environmental Precautions : Be careful not to discharge into rivers or anywhere else that would affect the environment.
- Method and Materials for Containment and Cleaning Up : Gather the dispersed material and collect in empty sealable containers.

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**7. Handling and Storage****Handling**

- Technical Measures : Take engineering measures and use protective equipment as described in Section 8. Exposure Controls/Personal Protection.  
Provide local and general ventilation as described in Section 8. Exposure Controls/Personal Protection.
- Precautions for Safe Handling : Do not get in eyes.  
Do not inhale dust.  
Avoid contact or ingestion.  
Wash hands thoroughly after handling.

**Storage**

- Proper Storage Conditions : Store in a cool, well-ventilated place, away from direct sunlight. Keep containers sealed.
- Safe Packaging Materials : Keep in containers specified in the product specifications.

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**8. Exposure Controls/Personal Protection**

- Control Levels : 3.0 mg/m<sup>3</sup> (dust)
- Permissible Exposure Levels
- Japan Society for Occupational Health (2015 ed.) : Iron oxide: respirable dust: 1 mg/m<sup>3</sup>, total dust: 4 mg/m<sup>3</sup>
- Engineering Measures : In an indoor, inadequately ventilated workplace, provide local or general ventilation equipment. Provide a washbasin.
- Protective Equipment : Wear the following protective equipment as needed:
- Respiratory System Protection : Dust mask, etc.
- Hand Protection : Appropriate protective gloves (gloves made of PE, rubber, etc.)
- Eye Protection : Appropriate protective glasses (goggle type)
- Skin and Body Protection : Appropriate protective clothing (protective clothing or long-sleeved work clothes)

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**9. Physical and Chemical Properties**

- Form : Powder
- Color : Yellow green
- Solubility in Solvents : Insoluble in water.

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**10. Stability and Reactivity**

- Chemical Reactivity and Stability : Stable when stored at room temperature in a dark place.
- Possibility of Hazardous Reactions : No data available.
- Conditions to Avoid : No data available.
- Incompatible Materials : No data available.
- Hazardous Decomposition Products : No data available.

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**11. Toxicological Information**

Acute Toxicity (oral)	: No data available.
Acute Toxicity (dermal)	: No data available.
Acute Toxicity (inhalation)	: Iron powder: it is stated that the substance is not toxic but aspirating a large amount of powder causes lung damage.
Skin corrosion and Skin irritation	: Iron powder: it is stated that the substance entering a wound may cause dermatitis.
Serious Eye Damage or Eye Irritation	: Iron powder and fluorescent pigment: it is stated that if it gets in eyes, these substances may cause mechanical irritation to eyes.
Respiratory sensitization or Skin Sensitization	: Respiratory sensitization: No data available. Skin sensitization: No data available.
Germ Cell Mutagenicity	: No data available.
Carcinogenicity	: No data available.
Reproductive Toxicity	: No data available.
Specific Target Organ Toxicity, Single Exposure	: No data available.
Specific Target Organ Toxicity, Repeated Exposure	: No data available.
Aspiration Hazard	: No data available.

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**12. Ecological Information**

Ecotoxicity	: No data available.
Persistency/Degradability	: No data available.
Bioaccumulative Potential	: No data available.
Mobility in Soil	: No data available.
Hazardous to the Ozone Layer	: No data available.

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**13. Disposal Considerations**

Have contents/container disposed of by an industrial waste disposal contractor licensed by the prefectural governor.

No dumping is allowed.

If this product is disposed of by landfill, incinerate it by using an incineration system in advance and check that the burned residue does not exceed the criteria defined in the Order for Enforcement of the Waste Management and Public Cleansing Act.

If this product is burned, burn it in a safe place using a method that does not cause harm or damage due to burning or explosion and have someone stand guard.

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**14. Transport information**

UN Hazard Class	: Not restricted
UN No.	: Not restricted

Not regulated for transport of dangerous goods (IATA, IMDG)

Follow other related laws and regulations.

**15. Regulatory Information**

Comply with the applicable laws and regulations regarding this product in each country/region.

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**16. Other Information**

This Safety Data Sheet was prepared in accordance with JIS Z 7253:2012 to provide users of this product with reference information to ensure safe handling. Users are responsible for taking appropriate measures for individual handling conditions with reference to this SDS.

This SDS does not represent any guarantee of safety.

Major references

Safety Data Sheets (SDS) provided by raw material manufacturers

Japanese Standards Association (JIS) JIS Z 7253:2012 "Hazard communication of chemicals based on GHS"

NITE Chemical Risk Information Platform (CHRIP)

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