

# SAFETY DATA SHEET

---

## 1. Product and Company Identification

Product Name: **MAGNALITE FY-6500**  
 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: September 9, 2009      Date of Revision: August 22, 2016  
 Reference Number: SDS15128-04e  
 Product Code: 15128  
 Recommended Uses and Restrictions on Use: Magnetic particle testing

---

## 2. Hazards Identification

### GHS Classification

Physical Hazards	Flammable solid	Not classified
	Oxidizing solid	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	Category 2
	Serious eye damage/eye irritation	Category 1
	Respiratory sensitization	Classification not possible
	Skin sensitization	Classification not possible
	Germ cell mutagenicity	Classification not possible
	Carcinogenicity	Classification not possible
	Reproductive toxicity	Classification not possible
	Reproductive toxicity/effects on or via lactation	Classification not possible
	Specific target organ toxicity (single exposure)	Category 3 (respiratory tract irritation)
	Specific target organ toxicity (repeated exposure)	Category 1 (respiratory system)
Environmental Hazards	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:

Signal Word: Danger

Hazard Statement: Causes skin irritation  
 Causes serious eye damage  
 May cause respiratory irritation  
 Causes damage to organs through prolonged or repeated exposure (respiratory system)

Precautionary Statement:

Prevention Do not breathe dust  
 Wash hands thoroughly after handling.  
 Do not eat, drink or smoke when using this product.  
 Use only outdoors or in a well-ventilated area.  
 Wear protective gloves/eye protection.

Response IF ON SKIN: Wash with plenty of water and soap.  
 If skin irritation occurs, get medical advice/attention.  
 Take off contaminated clothing and wash it before reuse.  
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.  
 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 Call a POISON CENTER/doctor, if you feel unwell. Get medical advice/attention.  
 IF SWALLOWED: Call a POISON CENTER/doctor, if you feel unwell.

Storage Store in a well-ventilated place. 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.

---

### 3. Composition/Information on Ingredients

Substance/Mixture: Mixture

Chemical Name or Common Name	Content (%)	CAS No.
Iron oxide	40-60	1317-61-9
Organic fluorescent pigment	20-40	Registered
Melamine resin	5-15	9003-08-1

---

### 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: : Rinse mouth. Call a POISON CENTER/doctor, if you feel unwell.

---

## 5. Firefighting Measures

- Extinguishing Media : Water sprinkling, powder extinguisher, foam extinguisher, etc.
- Inappropriate Extinguishing Media : Any fire-extinguishing agent can be used.
- 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.
- 

## 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 dusts.
- 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 : Sweep up the scattered material and put it in a sealable container.
- 

## 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 or ingest dust.  
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 : Store in a sealed container even though there are no regulations on packaging and containers.
- 

## 8. Exposure Controls/Personal Protection

- Control Levels : 3.0 mg/m<sup>3</sup> (dust)
- Permissible Exposure Levels
- Japan Society for Occupational Health (2015 version) : Dust inhaled as iron oxide 1 mg/m<sup>3</sup>, Total dust 4 mg/m<sup>3</sup>
- ACGIH (2008 version) : TLV-TWA  
5 mg·Fe/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 (PE or rubber gloves, etc.)
Eye Protection	:	Appropriate protective glasses (goggles).
Skin and Body Protection	:	Appropriate protective clothing (protective clothing or long-sleeved work clothes)

## 9. Physical and Chemical Properties

Form	:	Powder
Color	:	Yellow green
Odor	:	Slight odor
Solubility in Solvents	:	Insoluble in water

## 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.

## 11. Toxicological Information

Acute Toxicity (oral)	:	No data available
Acute Toxicity (dermal)	:	No data available
Acute Toxicity (inhalation)	:	No data available
Skin Corrosion and Skin Irritation	:	Description in (ICSC (J) (2004), IUCLID (2000)): Iron oxide "Skin rubefaction and moderate irritation"
Serious Eye Damage or Eye Irritation	:	Description in (IUCLID (2000)): Iron oxide "Corrosive to human eye" Description under Fluorescent pigment "Mechanically irritates eyes"
Respiratory Sensitization or Skin Sensitization	:	Respiratory sensitization: No data available Skin sensitization: No data available
Germ Cell Mutagenicity	:	No data available
Carcinogenicity	:	Description in ACGIH: Iron oxide "Categorized as A4"
Reproductive Toxicity	:	No data available
Specific Target Organ Toxicity, Single Exposure	:	Description in ICSC (J) (2004), IUCLID (2000): Iron oxide "Causes coughing and difficulty breathing in humans"

Specific Target Organ Toxicity, Repeated Exposure	:	Description in ACGIH (2001) "Shows abnormality in chest X-ray but no clinical problems" and "Causes benign siderotics if accumulated in lung but does not develop into fibrosis." Description in IUCLID (2000) "May cause metal fume fever by exposure." Description under Iron oxide "Has benign effect on lungs and possibly causes metal fume fever."
Aspiration Hazard	:	No data available

---

## 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

---

## 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.

---

## 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.

---

## 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)

---