

## MATERIAL SAFETY DATA SHEET

Revision date : April 9, 2009

**1.PRODUCT AND COMPANY IDENTIFICATION**

Product Name : SUPER MAGNA MAGNETIC PARTICLE LY-50

MSDS No. : LYSB504-03

Name of Manufacturer

MARKTEC CORPORATION

Internet Website Address (Contactable at e-mail)

<http://www.marktec.co.jp>

Head Office Address

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**2.COMPOSITION / INFORMATION ON INGREDIENTS**

Substance / Mixture : Mixture.

Hazardous Components

Fluorescent pigment

Iron oxide

Acrylic resin

Silica

CAS No.

Registered

1309-38-2

Registered

7631-86-9

%(BW)

10 - 20

55 - 65

15 - 25

1 - 10

**3.HAZARDS IDENTIFICATION**

Class Name of Hazardous Chemicals for MSDS in JAPAN

Not applicable

Physical and Chemical Hazards

Noncombustible

Adverse Human Health Effects

Not available

**4.FIRST-AID MEASURES**

Eye Contact

Gently rinse the affected eyes with clean water for at least 15-minutes.

And refer for medical attention.

Skin Contact

Wash the affected areas under running water using a mild soap.

Inhalation

It is the medical advice that breathed with a large quantity of powder.

Ingestion

Rinse mouth with water.

Give the person one or two glasses of water, try to get the victim to vomit.

And refer for medical attention.

**5.FIRE-FIGHTING MEASURES**

Extinguishing Media

Use extinguishing media appropriate to surrounding fire condition.

This product is noncombustible itself.

Specific Hazards with to Fire-fighting Measures

Fire fighters should wear proper protective equipment.

Cool container with water spray.

Move container from fire areas if it can be done without risk.

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**6.ACCIDENTAL RELEASE MEASURES**

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**Personal Precaution**

Wear proper protective equipment.

**Methods of Cleaning up**

Ventilate area after material pick up is complete.

Shut off all sources of ignition.

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**7.HANDLING AND STORAGE**

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**Handling**

Use only well-ventilated areas.

Avoid contact with skin or eyes.

Keep container tightly closed.

Avoid rough handling or dropping.

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**Storage**

Store in cool, dry, well-ventilated location.

Keep container tightly closed.

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**8.EXPOSURE CONTROLS / PERSONAL PROTECTION**

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**Control Parameters**

ACGIH TLV(1999-00)	Iron oxide; 5mg/m <sup>3</sup> (Total dust)
	Silica; 10mg/ m <sup>3</sup> (Total dust)

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**Engineering Measures**

Good general ventilation should be for most condition.

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**Personal Protection Equipment**

Respiratory protection : For most conditions no respiration protection should be needed.

Eye protection : Safety glasses.

Skin and body protection : Gloves.

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**9.PHYSICAL AND CHEMICAL PROPERTIES**

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**Appearance**

Physical state : Powder

Color : Dark-green

Odor : Very little odor

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Density : 0.6 g/cm<sup>3</sup>

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Boiling Point : Not available.

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Solubility in Water : Insoluble

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**10.STABILTY AND REACTIVITY**

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Flash Point(As a product) : Not available.

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Flash Point : [Each raw materials]

(As raw materials) Not available.

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Ignition Temperature : Not available.

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Explosion Limit : Not available.

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**Stability and Reactivity**

This product is considered a stable material under normal and anticipated storage and handling conditions.

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**11.TOXICOLOGICAL INFORMATION**

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Rout of Health Hazard : Skin and, or eye contact.

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Symptoms : Irritation-eyes.

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Target Organs : Eyes, Skin.

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Acute Toxicity : Not available.

(Reference) Oral Toxicity (LD<sub>50</sub>) by the date of Hazardous Components :

Iron oxide (Oral LD<sub>50</sub>) ; >5.0g/kg (Rat)

Silica(Oral LD<sub>50</sub>) ; > 10g/kg(Rat), > 4.5g/kg (Mouse)

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## 12.ECOLOGICAL INFORMATION

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Biodegradability : Not available.

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Fish Toxicity (LC<sub>50</sub>) : Not available.

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## 13.DISPOSAL CONSIDERATIONS

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Do not dump into sewers, on the ground or into any body of water.

Follow all regulations in your country.

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## 14.TRANSPORT INFORMATION

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Follow all regulations in your country.

(Reference)

IATA / ICAO CODE

UN No. : N / A

Class : N / A

PG : N / A

PI : N / A

IMO / IMDG CODE

UN No. : N / A

Class : N / A

PG : N / A

EM-S No. : N / A

Marine Pollutant : N/A

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## 15.REGULATORY INFORMATION

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Follow all regulations in your country.

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## 16.OTHER INFORMATION

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The information herein is given in good faith, but no warranty, express or implied, is made.

Please consult the MARKTEC CORPORATION for further information.

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