

MATERIAL SAFETY DATA SHEET

Revision date : April 3, 2009

1.PRODUCT AND COMPANY IDENTIFICATION

Product Name : ECO MAGNA MAGNETIC PARTICLE LY-30 CONC.

MSDS No. : LYSB517-02

Name of Manufacturer

MARKTEC CORPORATION

Internet Website Address (Contactable at e-mail)

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

Head Office Address

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Emergency and Information Telephone or Facsimile No.

(For English in Head Office)

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Telephone No. : +81-476-49-3166

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2.COMPOSITION / INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture.

Hazardous Components	CAS No.	%(BW)
Fluorescent pigment	Registered	1 - 5
γ -Iron oxide	1309-37-1	1 - 10
Acrylic resin	Registered	1 - 5
Urea resin	Registered	1 - 5
Silicate powder	7631-86-9	1 - 5
Nonionic Surfactant	Registered	1 - 10
Corrosion inhibitor	Registered	1 - 10
Antifoaming agent	Registered	1 - 5
Water	—	50 - 60

3.HAZARDS IDENTIFICATION

Class Name of Hazardous Chemicals for MSDS in JAPAN

Unclassified.

Physical and Chemical Hazards

Noncombustible

Adverse Human Health Effects

Harmful by inhalation.

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

Remove the victim from the contamination immediately to fresh air.

If breathing is weak, irregular or has stopped, open his airway, loosen his collar and belt and administer artificial respiration.

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.

6.ACCIDENTAL RELEASE MEASURES

Personal Precaution

Wear proper protective equipment.

Methods of Cleaning up

Ventilate area after material pick up is complete.

Shut off all sources of ignition.

7.HANDLING AND STORAGE

Handling

Use only well-ventilated areas.

Avoid contact with skin or eyes.

Keep container tightly closed.

Avoid rough handling or dropping.

Storage

Store in cool, dry, well-ventilated location.

Keep container tightly closed.

8.EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters

ACGIH TLV(1999-00)	Iron oxide; 5mg/m ³
	Silicate powder; 10mg/m ³

Engineering Measures

Good general ventilation should be for most condition.

Personal Protection Equipment

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

Eye protection : Safety glasses.

Skin and body protection : Gloves.

9.PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Physical state : Liquid

Color : Brown

Odor : Very little odor

Density : 1.12 g/cm³ at 20°C

Boiling Point(As a product) : IBP >100°C

Solubility in Water : Soluble

10.STABILTY AND REACTIVITY

Flash Point : [Nonionic Surfactant]

(As raw materials) >251°C

Ignition Temperature : Not available

Explosion Limit : Not established.

Stability and Reactivity

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

11.TOXICOLOGICAL INFORMATION

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

Symptoms : Irritation-eyes.

Target Organs : Eyes, Skin.

Acute Toxicity : Not available.

(Reference) Oral Toxicity (LD₅₀) by the date of Hazardous Components :

Nonionic Surfactant (Oral LD₅₀) 9.0g/kg (Mouse)

Silicate powder (Oral LD₅₀); >4.5g/kg (Mouse), >10g/kg(Rat)

12.ECOLOGICAL INFORMATION

Biodegradability : Not available.

Fish Toxicity (LC₅₀) : Not available.

(Reference) Fish Toxicity (LC₅₀) by the date of Hazardous Components :

Nonionic Surfactant (LC₅₀); 450ppm/24H(killifish)

13.DISPOSAL CONSIDERATIONS

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

Follow all regulations in your country.

14.TRANSPORT INFORMATION

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

15.REGULATORY INFORMATION

Follow all regulations in your country.

16.OTHER INFORMATION

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

Please consult the MARKTEC CORPORATION for further information.
