

# Material Safety Data Sheet

Mighty Chemical Co., Ltd.  
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## E-Spheres

(Mixed with Mighty-Emulsion for Mighty-Sun Guard)

General Chemical Characteristics and physical test result based on Article 13 of Environmental Agency is following. It does not contain any hazardous materials.

(Chemical Characteristics)

SiO <sub>2</sub>	59.70%
Al <sub>2</sub> O <sub>3</sub>	38.30%
Fe <sub>3</sub> O <sub>3</sub>	0.40%
CaO	0.20%
TiO <sub>2</sub>	1.09%

(Released Metal Content Test)

Test Item :	Hg	Cd	Pb	Cr8+	As	CN
E-Spheres	ND	ND	ND	ND	ND	ND
Minimum Amount	0.0005	0.02	0.1	0.02	0.02	0.05

Note : Gravity of E-Spheres is so small that it may spread out in the air when you open the package. That is why it is recommended to wear protection Maskes and Goggles while you work with.

## Material Safety Data Sheet

Product Name : E-Spheres SL300

# MIGHTY • CF

Mighty Chemical Co., Ltd.

### Section I - Manufacturer's Information

Brand Name: E-Spheres SL300 (Hight Durable Hollow Balloon)

Manufacturer

Company **Mighty Chemical Co., Ltd.**

Address 2080 Kurotani Iwatsuki-ku Saitama Japan

Contact Gotan Kaneo

tel 048-791-3303

fax 048-791-3304

### Section II - Physical Data

Single Property or Compound : Single Property

Physical Name : Silicic Acid Aluminum

Ingredients :  $\text{SiO}_2 / \text{Al}_2\text{O}_2$

PRTR Law : None

Cas Number : 1302-93-8

UN Classification / UN Number : Not Hazardous

#### Physical / Chemical Characteristics

Appearance and Odor : White Powder and no odor

Boiling Point / Melting Point : None for Boiling Point, 1,600 degree C in Melting Point

Specific Gravity : 0.70 to 0.80 g/cm<sup>2</sup>

Solubility in Water : None

Evaporation Rate : None

Ignition Rate : None

Oxidation Rate : None

Auto Ignition / Explosion Rate : None

Powder Explosion : None

### Section III - Hazardous / Dangerous Ingredients Classification

Name of Classification : It is not classified in the list of Dangerous / Hazardous Chemical.

Danger : Not Flammable, Not dangerous under a normal usage

Hazardous : Not hazardous under a normal usage

#### Dangerous Identity Information

Flammability : None

Stability, Reactivity : None

#### Hazardous Ingredient Information

Acute Poison : None

Stimulation : None

Irritation : None

Cancerous : None

### Section IV - Emergency and First Aid Procedure

Skin Contact : Wash affected area with water immediately

Eye Contact : Flush with clean water immediately

Inhalation : Gurgle with water or warm water immediately, and seek medical attention to flush out nostrils.

Ingestion : Give ample water to induce vomiting immediately

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## Section V - Fire and Explosion Data

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Extinguishing Media : Not flammable. It does not cause fire by itself.

Steps to be taken in case materials is released or spilled.  
Collect spilled materials into the bag with boxes, shovels, or vaccum cleaner.  
Contain it with dry materials. Wear protective masks and goggles.

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## Section VI - Precautions Safety Handlings and Use

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Handlings : Wear protective clothing, masks, goggles, and gloves to prevent from direct contact.

Storing : Store in the dry area.

### Prevention from Explosion and Safety Measure

Control Density : None

Allowable Density : None

Facility Measure : Use Hopper to prevent material from spreading after opening containers.

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## Section VII - Control Measures

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### Environmental Affect Information

Resolution : None

Harming Fish : None

### Waste Disposable Information

Follow all applicable Federal, State, and local regulation.

### Transportation Information

Prevent containers from bursting, cracking, getting damaged.

Make sure to secure pallet.

### Applicable Regulation

Any regulations related to Waste Disposable and cleaning.

Safety Labor and Health Regulation.

### Others

Items above are applied to a normal general usage not to a special use.

*Kaneo Gotan*

Kaneo Gotan  
President  
Mighty Chemical Co., Ltd.

