

Safety Data Sheet (SDS)

1、Basic information of supplier：

English Name	Colloidal Silica		
Synonyms /Common name	Colloidal Silica (SI-30 、 SI-30H 、 SI-30L 、 SB 、 SI-350 、 SI-350L 、 SI-301)		
Supplier's name	Yee Fong Chemical & Industrial Co., Ltd.		
Supplier's Address	7F, No. No. 310 Chukuang Rd., Taipei, Taiwan, R.O.C.		
Contact person & Tel No.	Li Ke-Ming	Telephone	886-3-3541944
Emergency Tel No.	886-3-3541944	Fax.	886-3-3541957

2、Product Information：

Hazardous components			
English name	Chemical form	Purity (%)	CAS. No
Silicon Dioxide	SiO ₂	30~31%	7631-86-9
Sodium oxide	Na ₂ O	0.25~0.6%	1313-59-3
Water	H ₂ O	68.4~69.75%	7732-18-5

3、Identification：

Appearance and odor：Translucent liquid odorless.
Root to Human body：There are no materials
Health damage：There are no materials
Syndrome of being：There are no materials

4、First Aid：

<p>First aid method under different routes of exposure:</p> <p><u>Inhalation</u>: Move to the place full with fresh air.</p> <p><u>Skin contact</u>: Wash with the branch water immediately.</p> <p><u>Eyes contact</u>: Clean with clean water immediately for at least 15 minutes. After that send to medical treatment.</p> <p><u>Ingestion</u>: Rinse mouth with water immediately and drink 1 to 2 cups of water and milk to dilute the concentration in the stomach. If any symptoms shows up, send to medical treatment immediately.</p>
The most important symptom and danger effect: There are no materials
Protection of the first-aid personnel: There are no materials
Suggestion to the doctor:

5、Fire-fighting Measures：

Suitable fire extinguishing agent: -

Special danger that may encounter while putting out a fire: Incombustibility.

Special procedure of extinguishing: -

Protection & Gears of fire fighter's: -

6、Accidental Release Measures：

Personal Precautions: Should wear safety glasses and rubber gloves.

Environmental Considerations: -

Clear up Method: Repair the place let out, and clean the leak area with water.

7、Handling and Storage Methods：

Handling: -

Storage:

1. Keep container tightly closed, below 25 °C.

2. Stored in a cool, well-ventilated place, away from direct sunlight, rain and sun.

8、Exposure Prevention Measures：

Engineering controls：

Control parameters:

Average allowable concentration of eight hours time weighted / Average allowable concentration of short period / Maximum allowable concentration: 2mg/m³、4mg/m³

Personal protective equipment：

Eyes：Safety glasses.

Breath：-

Hands：Rubber gloves.

Skin & Body：-.

Hygiene measure: -

9、Physical & Chemical properties：

Physical state: Liquid	Shape: Liquid
Color: Semitransparent	Smell: No
pH: 9.0~10.5 (under 25°C)	Boiling point / Boiling range: >100 °C
Resolve temperature: The high-temperature evaporation hardening	Flash Point: Incombustibility because aqueous solution of inorganic compound. Test Method: Open cup Close cup
Ignition temperature:-	Explosion limits: -
Vapor pressure: 3.2kPa(H ₂ O; 25°C)	The density of vapour: -
SG: 1.19~1.22 (25°C)	Solubility: SiO ₂ is insoluble in water.

10、Stability & Reactivity：

Stability: Stable. Adding an acidic substance will produce the gel.

Hazardous reactions under Special Conditions：-

Conditions to avoid：Avoid direct sunlight or freezing

Substances to be avoided：-

Hazardous Decomposition Products：-

11、Toxicity Data：

Acute toxicity: SiO₂: LD50 (through mouth) 3.160mg/

Local effects: -

Sensitization: No Data

Chronic or long-term toxicity: No Data

Special effects: No Data

12、Ecological Information

Possible environmental impact / environmental fate:

13、Waste Disposal Methods：

After neutralization and agglutination, deal by the local regulation.

14、Transport Information：

International transport regulations:-

UN number:-

Domestic transport regulations:-

Special delivery methods and precautions: container tightly closed, away from direct sunlight.

15、Civil applicable Regulations：

Suitable regulation:

16、Other Reference：

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To our best knowledge, the above-mentioned data is emphasized carefully for "Accuracy". If the errors are found, please do your own judgement. We are not responsible for any reference may be leading you to make wrong use.