



CNAS IB0071



NO.2615060026

# SAFETY DATA SHEET

**Product Name:** Colloidal Silica GS-30

**Revision Date:** 2015-07-07

**Compiler:** Liu Linyin

**Checker:** Dongxuesheng

**Approver:** Zhangxiangjin



Shanghai Research Institute of Chemical Industry Testing Centre

# Zhejiang Yuda Chemical Industry Co., Ltd.

## SAFETY DATA SHEET

### Colloidal Silica GS-30

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#### SECTION1 PRODUCT AND COMPANY IDENTIFICATION

Product name: Colloidal Silica GS-30  
Company: Zhejiang Yuda Chemical Industry Co., Ltd.  
Address: Zhishan, Lianxing Village, Dongguan Street, Shangyu Street, Shaoxing City, Zhejiang Province, 312352, P.R.China  
Email: yd@zjyuda.net.cn  
Fax: 86-575-82153702  
Emergency Phone: 86-575-82153422;86-575-82154735  
SDS Number: 2615060026  
SDS Date: 2015-07-07

#### SECTION2 HAZARDS IDENTIFICATION

Classification according to Regulation (EC) No 1272/2008:

**Physical Hazards:**

Not classified

**Health Hazards:**

Serious eye damage/eye irritation (Category 2)  
Specific target organ toxicity - single exposure (Category 3)  
Specific target organ toxicity - repeated exposure (Category 2) (Lungs)

**Environmental Hazards:**

No data available.

The hazards not mentioned are not applicable or no data available.

Classification according to Directive 1999/45/EC:

Xi; R36/37 R48/20

Label elements:

EC No 1272/2008:

Hazard pictogram:

**Signal Word:**

Warning

**Hazard Statements:**

Causes serious eye irritation.

May cause respiratory irritation.

May cause damage to organs (Lungs) through prolonged or repeated exposure.

**Precautionary Statements:**

Wash thoroughly after handling.

Do not breathe dust/fume/gas/mist/vapours/spray.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Store in a well-ventilated place. Keep container tightly closed.

Dispose of contents/container in accordance with local / regional / national / international regulation.

**Directive 1999/45/EC:****Danger symbol:****Risk phrases:**

R36/37 Irritating to eyes and respiratory system.

R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.

**Safety phrases:**

S22 Do not breathe dust.

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S36 Wear suitable protective clothing.

**Other Hazards:**

No data available.

**SECTION3 INFORMATION ON INGREDIENTS**

Product name: Colloidal Silica GS-30

Ingredient	Concentration	CAS No.	EC No.
Cristobalite	30. 5%	14464-46-1	238-455-4
Water	69. 18%	7732-18-5	231-791-2

**SECTION4 FIRST-AID MEASURES****Skin Exposure:**

In case of skin contact, flush with copious amounts of water. Remove contaminated clothing and shoes.  
If irritation persists, Call a physician.

**Eye Exposure:**

In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. If irritation persists, Call a physician.

**Inhalation Exposure:**

If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

**Oral Exposure:**

If swallowed, wash out mouth with water provided person is conscious. Call a physician. Do not induce vomiting.

**Most important symptoms and effects, both acute and delayed:**

No data available.

**Indication of any immediate medical attention and special treatment needed:**

No data available.

**SECTION5 FIRE FIGHTING MEASURES****Extinguishing Media:**

Suitable: Dry chemical, Water spray, Carbon dioxide or appropriate foam.

**Special hazards arising from the substance or mixture:**

Take care as it may decompose upon combustion or in high temperatures to generate silicon oxides.

**Advice for firefighters:**

Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Fire-extinguishing work is done from the windward and the suitable fire-extinguishing method according to the surrounding situation is used. Uninvolved persons should evacuate to a safe place.

**SECTION6 ACCIDENTAL RELEASE MEASURES****Personal precautions, protective equipment and emergency procedures:**

Use personal protective equipment. Keep people away from and upwind of spill/leak. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Entry to non-involved personnel should be controlled around the leakage area by roping off.

**Environmental precautions:**

Do not let product enter drains.

**Methods and materials for containment and cleaning up:**

Mix with inert material (e.g. dry sand, vermiculite) and transfer to a dry, clean, lidded container for disposal. Avoid inhalation. Ventilate area and wash spill site after material pickup is complete.

**SECTION7 HANDLING AND STORAGE****Precautions for safe handling:**

Wear appropriate protective clothing and gloves. Avoid inhalation. Avoid contact with eyes, skin and clothing. Prevent generation of vapour or mist. Handling is performed in a well ventilated place. Keep away from ignition sources, heat and flame. Wash hands and face thoroughly after handling. No smoking at working site. Normal measures for preventive fire protection.



**Conditions for safe storage, including any incompatibilities:**

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Keep away from ignition sources, heat and flame. Incompatibilities: Strong oxidizing agents.

**SECTION8 EXPOSURE CONTROL/PPE****Control parameters:**

No data available.

**Appropriate engineering controls:**

Mechanical exhaust required. Safety shower and eye bath.

**Personal Protective Equipment:**

Respiratory: Wear government approved respirator.

Eye: Wear chemical safety glasses.

Clothing: Wear appropriate protective clothing.

Hand: Wear compatible protective gloves.

**Other Protect:**

No smoking, drinking and eating at working site. Wash thoroughly after handling.

**SECTION9 PHYSICAL/CHEMICAL PROPERTIES**

**Appearance:** Colorless transparent liquid

**Odor:** Weak odor

**Flash Point** >96.0℃  
**(Closed Cup)/℃:**

**pH Value:** 10.3 (25℃, 50.0 g/L)

**Solubility:** Miscible in water

**Density/Relative**  $1.215 \times 10^3 \text{ kg/m}^3$  (20℃)

**Density:**

**Viscosity:** 2.495 mm<sup>2</sup>/s (20℃, kinematic viscosity)

**SECTION10 STABILITY AND REACTIVITY****Reactivity:**

No data available.

**Chemical stability:**

Stable under normal temperatures and pressures.

**Possibility of hazardous reactions:**

No data available.

**Conditions to avoid:**

No data available.

**Materials to Avoid:**

Strong oxidizing agents.

**Hazardous Decomposition Products:**

Silicon oxides.

**SECTION11 TOXICOLOGICAL INFORMATION****Acute toxicity:**

No data available.

**Skin corrosion/irritation:**

No data available.

**Serious eye damage/irritation:**

Causes serious eye irritation.

**Respiratory or skin sensitization:**

No data available.

**Germ cell mutagenicity:**

No data available.

**Carcinogenicity:**

No data available.

**Reproductive toxicity:**

No data available.

**Specific target organ toxicity – single exposure:**

May cause respiratory irritation.

**Specific target organ toxicity – repeated exposure:**

May cause damage to organs (Lungs) through prolonged or repeated exposure.

**Aspiration hazard:**

No data available.

## SECTION12 ECOLOGICAL INFORMATION

**Toxicity:**

No data available.

**Persistence and degradability:**

No data available.

**Bioaccumulative potential:**

No data available.

**Mobility in soil:**

No data available.

**Results of PBT and vPvB assessment:**

No data available.

**Other adverse effects:**

No data available.

## SECTION13 DISPOSAL CONSIDERATION

**Appropriate Method of Disposal of Substance:**

Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with and afterburner and scrubber. Observe all federal, state, and local environmental regulations.

## SECTION14 TRANSPORT INFORMATION

**RID/ADR:** Non-Hazardous for Transport: This substance is considered to be non-hazardous for transport.

**IATA:** Non-Hazardous for Air Transport: Non-hazardous for air transport.

**IMO:** Non-Hazardous for Sea Transport: Non-hazardous for sea transport.

**Transport in bulk**Not applicable.

according to

Annex II of MARPOL

73/78 and the IBC

Code:

**Environmental** No.

**hazards:**

**Special** No data available.  
**precautions for**  
**user:**

## **SECTION15 REGULATORY INFORMATION**

Classification and labelling according to Regulation (EC) No. 1907/2006.

**Safety, health and environmental regulations/legislation specific for the substance or mixture:**  
No data available.

**Chemical Safety Assessment:**  
No data available.

## **SECTION16 OTHER INFORMATION**

**Date:**  
2015-07-07

**Department:**  
Shanghai Research Institute of Chemical Industry Testing Centre  
Tel (Fax) :8621-52815377/52800971/52807275/52811034/52569800

**Revision:**  
0

**Reference Standard:**  
(EU) No 453/2010

### **Other Information:**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. We make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of the information for their particular purposes. In no way shall we be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising from using the above information.

