

Material Safety Data Sheet

1. Chemicals and enterprise identification

Product description: Aluminum Silica Gel (AH、 AWS 、 AR)
 common name Silicon dioxide
 CAS No 7631-86-9
 Molecular formula O2 Si
 Suppliers DONGYING YIMING NEW MATEIALS CO.,LTD
 EAWANG, GUANGRAO, SHANDONG, CHINA
 Emergency number +86 18860633386
 Email address carrie@sdymqy.com
 Recommended use Adsorption, moisture-proof, air separation, purification, etc.

2. Risk overview

physical state	Appearance and traits	the smell
solid	white	odorless
	emergency overview	
	This product does not contain those substances in concentrations hazardous to health.	

GHS Hazard Class : Based on available data , classification criteria are not met

Physical and Chemical Hazards :
 Not sure

Health Hazards :
 This product does not contain those substances in concentrations hazardous to health

Environmental Hazards :
 Contains no substances that are hazardous to the environment or that cannot be degraded in wastewater treatment plants. Impossible to migrate in the environment due to its low water solubility and less likely to spill into soil

3. Composition/composition information

components	weight percentage
Si	83-86 %
Al	12-15 %

4. First aid measures

Eye contact :

Immediately with plenty of water for at least 15 minutes, including under the eyelids. Get medical attention.

Skin Contact :

Immediately with plenty of water for at least 15 minutes. Seek medical attention if symptoms occur.

Inhalation :

Remove to fresh air. Get medical attention if symptoms develop.

Ingestion :

Water and drink plenty of water. Get medical attention if symptoms occur.

Most important symptoms and effects :

Not reasonably foreseeable.

Self-protection for first responders :

There are no special precautions .

To Physician :

Symptomatic treatment .

5. Firefighting measures

Suitable extinguishing media :

Material is non- flammable ; use an extinguishing agent suitable for the surrounding fire. .

Extinguishing media which must not be used for safety reasons :

No data.

Special hazards arising from the chemical :

Not flammable . Not reasonably foreseeable.

Protective equipment and precautions for firefighters :

In any fire, wear MSHA / NIOSH (approved or equivalent) pressure demand self-contained breathing apparatus and full protective gear.

6. Emergency treatment for leakage

Personal precautions :

Use personal protective equipment as required. Ensure adequate ventilation. Avoid dust formation.

Environmental Protection Measures :

Do not release into the environment. See Section 12 for additional ecological information .

Methods for Containment and Cleanup :

Sweep up and transfer with a shovel to suitable containers for disposal. Avoid dust formation .

See precautions listed in Sections 8 and 13.

7. Handling and storage

Operation :

Wear personal protective equipment/face protection , ensure adequate ventilation , avoid contact with skin, eyes or clothing , avoid ingestion and inhalation , and avoid dust formation.

Safe storage :

Keep container tightly closed in a dry, cool and well-ventilated place .

Specific use :

In the laboratory

8. Exposure control and personal protection

Control parameters

Components	China	Taiwan	Hongkong	U.K.
Silica	—	—	—	STEL : 18 mg/m ³ 15 min STEL : 7.2 mg/m ³ 15 min TWA : 6 mg /m ³ 8 hr TWA : 2.4 mg /m ³ 8 hr

components	ACGIH TLVs	OSHA PEL	NIOSH	European Union
Silica		(Vacated) TWA: 6mg/m ³	IDLH: 3000mg/m ³ TWA: 6mg/m ³	

Monitoring method

EN 14042:2003 Title identifier: Air in the workplace. Guidance on procedures for assessing exposure to chemical or biological agents .

Engineering measures

Under normal conditions of use none. .

Personal protective equipment

Eye protection - wear safety glasses (or goggles) with side shields

Hand Protection - Protective Gloves

Glove material	Breakout time	Glove thickness	EU standard	Glove opinion
natural rubber	> 480 minutes	—	Level 1 EN388	(minimum requirement)
Nitrile rubber				
Neoprene				
PVC				

Gloves to use prior to examination. Take care to read the glove supplier's instructions regarding glove permeability and solvent breakthrough time. See manufacturer/supplier information. Make sure the gloves are suitable for the task. chemical compatibility. dexterity. operating conditions. User susceptibility, such as the effects of sensitization . At the same time, consider the specific conditions of the application , such as dangerous cutting, sanding and contact time. Remove gloves with care to avoid skin contamination.

Skin and Body Protection

Wear suitable protective gloves and clothing to prevent skin contact

Respiratory protection

No protective equipment is necessary under normal conditions of use.

For large/emergency use

If exposure limits are exceeded or irritation or other symptoms occur, use NIOSH/MSHA or EU Standard EN136 approved respirator Recommended filter type: Particulate filter

Small scale/laboratory use

Keep good ventilation

Health measures

Handle in accordance with good industrial hygiene and safety practice

9. Physical and chemical properties

Appearance and traits	White	
Physical state	Solid	
The smell	Odorless	
Odor threshold	No information	
PHvalue	4 - 8	1 0% aq . solution
Melting point/melting point range	1610°C	
Softening point	No information	
Boiling point/boiling range	2230°C	
Flash point	2230°C	Method - no data
Evaporation rate	Not applicable	Solid
Flammability (solid, gas)	No information	
Explosion limit	No information	
Vapor pressure	No information	
Steam density	Not applicable	Solid
Specific gravity / density	No information	
Bulk density	No information	
Water soluble	Insoluble	
Solubility in other solvents	No information	

10. Stability and reactivity

Stability	Stable under normal conditions.
Dangerous reaction	Does not occur during normal processing.
Dangerous polymerization	Hazardous polymerization will not occur.
To avoid	Avoid dust formation. Incompatible products.
To avoid	Strong oxidizing agent .
Hazardous Decomposition Products	Under normal conditions of use.

11. Toxicological Information

Product information

Acute toxicity;

Components	Median lethal dose (LD50), oral	LD 50 , skin	respiratory lethal concentration
silica	> 5000 mg / kg (Rat)	> 2 000 mg / kg (Rabbit)	-

Skin corrosion/irritation Based on available data , the classification criteria are not met

Serious damage/irritation to eyes

Respiratory or skin allergies; respiratory system the skin	Based on available data , the classification criteria are not met
Germ cell mutagenicity	Based on available data , the classification criteria are not met
Carcinogenicity	Based on available data , the classification criteria are not met
Reproductive toxicity	Based on available data , the classification criteria are not met
STOT single exposure	Based on available data , the classification criteria are not met
STOT repeated exposure;	Based on available data , the classification criteria are not met
Target organ	Unknown
Aspiration hazard	Solid, not applicable
Other adverse reactions	No information
Symptoms /Effects acute and delayed	No information

12. Ecological information

Ecotoxicity This product contains the following substances which are hazardous to the environment. .

Components	Freshwater fish	Daphnia	Freshwater algae	Bacterial toxicity
Silica	LC50 : 5000mg / L / 96h	EC 50 : 7600mg / L /48h	EC 50 : 4 40 mg/L/72h	

Persistence and Degradability persist Degradability	linsoluble in water Inorganic substances are not relevant
Bioaccumulative potential	May have some bioaccumulative potential
Mobility in soil	Spills are less likely to penetrate the soil and are unlikely to migrate in the environment due to their low water solubility
Endocrine Disruptor Information persistent organic pollutants Ozone Depletion Trends	This product does not contain any known or suspected endocrine disruptors This product does not contain any known or suspected This product does not contain any known or suspected

13. Disposal disposal

Residues/ waste from unused products	Producers of chemical waste must determine whether discarded chemicals are classified as hazardous waste. producer of chemical waste Local, regional and national hazardous waste management regulations must also be consulted to ensure adequate and accurate classification.
Contaminated packaging	empty the rest . Dispose of in accordance with local regulations. Do not reuse
Other information	emptied containers. . waste code should be assigned by the user according to the application of the product.

14. Transportation information

Road and rail transport	unregulated
IMDG / IMO	Not specified
I ATA	Unruly _
Special attention items	none

15. Regulatory Information

National regulations

Please note that waste disposal should also comply with local regulations.

The form complies with the "Regulations on the Safety Management of Hazardous Chemicals" Order No. 591 of the State Council of the People's Republic of China ; GBT 16483-2008 "Chemical Safety Data Sheet Contents and Item Sequence "

16. Other information

Training advice

Chemical hazard awareness training , incorporating labels, safety data sheets, personal protective equipment and personal hygiene.

Note

CAS -Chemical _ Abstracts service

TSCA - U.S. Toxic Substances Control Act Chapter 8(b)
Table of Contents

EINECS / ELINCS - European Inventory of Existing Commercial Chemical Substances/European Inventory of Notified Chemical Substances

DSL / NDSL - Canadian Domestic Substance List/Non-Domestic Substance List

PICCS - Philippine Inventory of Chemicals and Chemical Substances

ENCS - Inventory of Existing and New Chemical Substances in Japan

IECSC - Inventory of Existing Chemical Substances in China

AICS - Australian Inventory of Chemical Substances

KECL - Existing and evaluated chemical substances in Korea

NZIoC - New Zealand Chemical Inventory

WEL - Workplace exposure limits	TWA - time weighted average
ACGIH - American Society of Governmental Industrial Hygienists	IARC - International Agency for Research on Cancer
DNEL - Derived no-impact level	Predicted No Effect Concentration (PNEC)
RPE - Respiratory protective equipment	LD 50 - 50% lethal dose
LC 50 - 50% lethal concentration	EC 50 - 50% effective concentration
NOEC - no observed effect concentration	POW - octanol: water partition coefficient
PBT - Persistence, Bioaccumulation, Toxicity	wxya - Persistence , bioaccumulation
ADR - European agreement on the international transport of dangerous goods by road	ICAO / IATA - ICAO/IATA
IMO / IMDG - IMO/IMDG Code	MARPOL - International Convention for the Prevention of Pollution from Ships "Ship
OECD - Organisation for Economic Co-operation and Development	ATE - Acute toxicity estimation
BCF - Bioconcentration Factor (BCF)	VOCs - (Volatile Organic Compounds)

According to GB/T 16483-2008, GB/T 17519-2013

Disclaimer

The information given in this safety data sheet is correct based on the latest knowledge, information and beliefs available to us. The information provided is only for safe operation, use, processing processing, storage , transportation, disposal and discharge are not intended to serve as a guarantee or quality specification. The information is for the specific substance specified only and may not apply in conjunction with any other substances , nor in all cases, unless otherwise specified in the text.