



Safety Data Sheets (SDSs)

Section 1 - Identification

- (a) Product identifier: **Carbon Molecular Sieve**
- (b) Manufacturer name: Shanghai Hengye Molecular Sieve Co., Ltd.
Address: No.12 Guangda Road, Qingcun Town, Fengxian District, Shanghai 201414, China
Tell: +86 21 5756 8588 Fax: +86 21 5756 8970
- (c) Emergency phone number: +0086 13501660751
- (d) Recommended use: Laboratory chemicals, Manufacture of substances.
- (e) Restriction on use: No information available.

Section 2 – Hazard(s) identification

- (a) Classification of the chemical
Not a hazardous substance or mixture.
This substance is not classified as dangerous according to Directive 67/548/EEC.
- (b) Label elements
The product does not need to be labelled in accordance with EC directives or respective national laws.
Pictogram(s): No pictogram.
Signal word: No signal word.
Hazard statements: No hazard statement.
Precautionary statements: No precautionary statement.
- (c) Description of any hazards not otherwise classified
No information available.
- (d) Ingredient with unknown acute toxicity
No information available.

Section 3 – Composition / information on ingredients

Chemical Name	Molecular weight	CAS No.
Carbon	12.01 g/mol	7440-44-0



Section 4 – First-aid Measures

- (a) Most important symptoms/effects, acute and delayed
The most important known symptoms and effects are described in the labelling (see section 2.b) and/or in section 11.
- (b) Description of first aid measures
If breathed in, move person into fresh air. If not breathing, give artificial respiration.
In case of skin contact
Wash off with soap and plenty of water.
In case of eye contact
Flush eyes with water as a precaution.
If swallowed
Never give anything by mouth to an unconscious person. Rinse mouth with water.
- (c) Immediate medical attention and special treatment
No data available.

Section 5 – Fire-fighting Measures

- (a) Extinguishing media
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- (b) Special hazards arising from the chemical
No data available
- (c) Special protective equipment and precautions for fire-fighters
Wear self-contained breathing apparatus for firefighting if necessary.

Section 6 – Accidental release Measures

- (a) Personal precautions, protective equipment and emergency procedures
Avoid dust formation. Avoid breathing vapours, mist or gas. For personal protection see section 8.
- (b) Environmental precautions
No special environmental precautions required.
- (c) Methods and materials for containment and cleaning up
Sweep up and shovel. Keep in suitable, closed containers for disposal.
- (d) Reference to other sections
For disposal see section 13.



Section 7 – Handling and Storage

(a) Precautions for safe handling

Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work.

Dust and/or fine particles, minimize inhalation exposure.

Remove contaminated clothing and shoes. Wash clothing before re-using. Avoid dust production. Vacuum systems are provided if dust is formed. Any unavoidable deposit of dust must be regularly removed.

(b) Conditions for safe storage, including any incompatibilities

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

Storage class (TRGS 510): Non Combustible Solids.

(c) Specific end use(s)

Apart from the uses mentioned in section 1.d no other specific uses are stipulated

Section 8 – Exposure controls / Personal protection

(a) Control parameters:

- Components with workplace control parameters

(b) Exposure controls:

Appropriate engineering controls

General industrial hygiene practice.

Personal protective equipment

- Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

- Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Test method: EN374 If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an



approval for any specific use scenario.

- **Body Protection**

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

- **Respiratory protection**

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

- **Control of environmental exposure**

No special environmental precautions required.

Section 9 – Physical and Chemical Properties

Form:	Solid
Color:	Black
Odor:	N/A
pH:	No data available
Boiling Point/range:	N/A
Melting Point/range:	3550° C
Decomposition Temperature:	N/A
Density:	0.5~0.8 g/mL
Ignition Temperature:	N/A
Solubility:	Insoluble in water
Other safety information:	No data available

Section 10 – Stability and Reactivity

(a) **Chemical Stability:** Stable under recommended storage conditions.

(b) **Reactivity:** No data available.

(c) **Possibility of hazardous reactions:** No data available

(d) **Conditions to Avoid:** No data available.

(e) **Incompatibilities materials:** Strong oxidizing agents.

(f) **Hazardous decomposition products:**

Other decomposition products - No data available

In the event of fire: see section 5



Section 11 – Toxicological information

(a) Information on toxicological characteristics

Acute toxicity

No data available

LD50 Intravenous -Mouse -440 mg/kg

Skin corrosion/irritation

No data available

Serious eye damage/eye irritation

No data available

Respiratory or skin sensitisation

No data available

Germ cell mutagenicity

No data available

Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity

Reproductive toxicity -Rat -Subcutaneous Effects on Fertility: Post-implantation mortality (e.g., dead and/or resorbed implants per total number of implants).

Specific target organ toxicity -single exposure

No data available

Specific target organ toxicity -repeated exposure

No data available

Aspiration hazard

No data available

Additional Information

RTECS: FF5250100

To the best of our knowledge, the chemical, physical, and toxicological properties



have not been thoroughly investigated.

Section 12 – Ecological information

- (a) Toxicity No data available
- (b) Persistence and degradability No data available
- (c) Bioaccumulative potential No data available
- (d) Mobility in soil No data available
- (e) Results of PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher

- (f) Other adverse effects No data available

Section 13 – Disposal considerations

- (a) Waste treatment methods

Product

Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging

Dispose of as unused product.

Section 14 – Transport information

- (a) UN number
ADR/RID: - IMDG: - IATA: -
- (b) Packaging group
ADR/RID: - IMDG: - IATA: -
- (c) UN proper shipping name
ADR/RID: Not dangerous goods
IMDG: Not dangerous goods
IATA: Not dangerous goods
- (d) Transport hazard class(es)
ADR/RID: - IMDG: - IATA: -
- (e) Environmental hazards
ADR/RID: no IMDG Marine pollutant: no IATA: no
- (f) Special precautions for user
No data available



Section 15 – Regulatory information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

(a) Safety, health and environmental regulations/legislation specific for the substance or mixture

No data available

(b) Chemical Safety Assessment

For this product a chemical safety assessment was not carried out

Section 16 – Other information

(a) Preparation and revision information

Issue Time: 2015-11-4

Issue Department: Technical Department

Date review unit:

Modification record:

(b) Further information

The information in this SDS is provided all the relevant data fully and truly. However, the information is provided without any warranty on their absolute extensiveness and accuracy. This SDS was prepared to provide safety preventive measures for the users who have got professional training. The personal user who obtained this SDS should make independent judgment for the applicability of this SDS under special conditions. In these special cases, we do not assume responsibility for the damage.

----- End of the SDS -----