Safety Data Sheet (SDS)

1. Identification of the Product and the Company

Product Identification
Synonyms: Synthetic Zeolite
Identified Uses and Uses Advised Against
Recommended use: Adsorbent/Drying agent
Contact Information
Supplier/Manufacturer: Henan CarbonFresh Activated Carbon Co., Ltd.
Website:https://www.carbonfreshcn.com/
Email:info@carbonfreshcn.com
Phone:(+86)155-3801-7198
Address: Enterprise Headquarters Base, Innovation Park, High-tech Zone, Zhengzhou, Henan, China

2. Hazard Identification

GHS Classification according to 29 CFR 1910 (OSHA HCS)
Skin Irritation (Category 3), H316
Eye Irritation (Category 2B), H320
Specific Target Organ Toxicity — Single Exposure (Category 3), Respiratory System, H335
GHS Label Elements (including precautionary statements)
Pictograms:
Signal word: Warning
Hazard Statements
H316: Causes mild skin irritation
H320: Causes eye irritation
H335: May cause respiratory irritation
Precautionary Statements
P261: Avoid breathing dust
P264: Wash hands thoroughly after handling
P271: Use only outdoors or in a well-ventilated area
P304 + P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing
P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P312: Call a POISON CENTER/doctor if you feel unwell
P332 + P313: If skin irritation occurs: Get medical advice/attention
P227 + P313: If eye irritation persists: Get medical advice/attention
P403 + P233: Store in a well-ventilated place. Keep container tightly closed
P501: Dispose of contents/container in accordance with local regulations
Other Hazards Not Otherwise Classified (HNOC)
None

3. Composition/Information on Ingredients

Chemical identification: Molecular sieve; 3A, 4A, 5A, 13X
Common name: Synthetic zeolite
Identifiers:
oCAS No.: 1318-02-1 (mSORB 3A)
oCAS No.: 1344-00-9 (mSORB 4A)
oCAS No.: 69912-79-4 (mSORB 5A)
oCAS No.: 63231-69-6 (mSORB 13X)

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7. Handling and Storage

Precautions for Safe Handling
Avoid contact with skin and eyes. Avoid breathing dust. See Section 2.2 for precautions.
Conditions for Safe Storage, Including Any Incompatibilities
Suitable for general chemical storage areas. Keep container tightly closed.
Specific End Uses
No specific uses other than those listed in Section 1.2.

8. Exposure Controls/Personal Protection

Control Parameters/Exposure Limits
Component: Zeolite (CAS 13-18-02-1)
oACGIH TLV (TWA): 10 mg/m³
oACGIH (TWA): 3 mg/m³
oOSHA PEL (TWA): 15 mg/m³
oOSHA (TWA): 5 mg/m³
Appropriate Engineering Controls
Use process enclosure, local exhaust ventilation, or other engineering controls to limit airborne concentrations. Follow good industrial hygiene and safety practices. Wash hands during breaks and at the end of shifts.
Personal Protective Equipment (PPE)
Safety glasses, lab coat, dust respirator. Ensure the respirator is NIOSH-approved or equivalent.

9. Physical and Chemical Properties

Basic Physical and Chemical Properties
Physical state: Solid
Color: White, gray, and beige
Odor: Odorless
Odor threshold: No data
pH: No data
Melting point: No data
Freezing point: No data
Initial boiling point: No data
Flash point: No data
Evaporation rate: No data
Flammability (solid, gas): Non-flammable
Explosive limits: No data
Vapor pressure: No data
Vapor density: No data
Bulk density: 550–850 g/L
Solubility: No data
Partition coefficient: No data
Auto-ignition temperature: No data
Decomposition temperature: No data
Viscosity: No data

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10. Stability and Reactivity

Chemical Stability

Stable under normal environmental conditions and under expected temperatures, storage, and handling.

Possibility of Hazardous Reactions

Used product may release adsorbed hazardous substances when exposed to heat, humid air, or water.

Conditions to Avoid

See "Possibility of Hazardous Reactions."

Incompatible Materials

Prevent unintended contact with water or moisture.

Hazardous Decomposition Products

11. Toxicological Information

Information on Toxicological Effects

Acute and chronic toxicity: Short-term single exposure is unlikely to cause skin irritation. Ingestion, inhalation, or contact with eyes or mucous membranes may cause irritation or thermal burns. Asthma and chronic respiratory conditions may be aggravated by exposure.

Skin corrosion/irritation: No data.

Respiratory or skin sensitization: No data.

Carcinogenicity:

oIARC: No component present at ≥0.1% is identified by IARC as possible, probable, or confirmed human carcinogen.

oACGIH: No component present at ≥0.1% is listed by ACGIH as a carcinogen or potential carcinogen.

oNTP: No component present at ≥0.1% is listed by NTP as known or anticipated carcinogen.

oOSHA: No component present at ≥0.1% is listed by OSHA as a known or anticipated carcinogen.

Reproductive toxicity: No data.

STOT — single exposure: Inhalation — may cause respiratory irritation.

STOT — repeated exposure: No data.

Aspiration hazard: Dust may irritate the lungs.

Acute Toxicity Data

Inhalation: LC50 (rat) > 18.3 mg/L

Oral: LD50 (rat) > 10,000 mg/kg

Dermal: LD50 (rabbit) > 2000 mg/kg

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12. Ecological Information

Toxicity: No data.

Persistence and degradability: Short-term potentially hazardous degradation products are unlikely; long-term degradation products may form.

Bioaccumulative potential: No data.

Mobility in soil: No data.

Results of PBT and vPvB assessment: No data.

Other adverse effects: No data.

13. Disposal Considerations

Waste Treatment Methods

Product: Dispose of in accordance with federal, state, and local environmental regulations.

Contaminated packaging: Packaging may contain residual dust. Dispose of in accordance with federal, state, and local environmental regulations.

14. Transport Information

DOT (U.S.): Not regulated as hazardous.

IMDG: Not regulated as hazardous.

Transport hazard class: Not applicable.

Packing group: Not applicable.

Environmental hazards: See Section 12.

Bulk transport: Not applicable.

Special precautions for user: Not applicable.

15. Regulatory Information

Federal and State Regulations

SARA 302 components: No chemicals subject to reporting requirements of SARA Title III, Section 302.

SARA 313: This material contains no chemical components with known CAS numbers at or above the de minimis reporting levels under SARA Title III, Section 313.

SARA 311/312 Hazards: Acute Health Hazard.

Massachusetts Right-to-Know components: None.

Pennsylvania Right-to-Know components: Molecular sieve 3A, 4A, 5A, 13X; CAS No.: Not available; Revision date: Not available.

New Jersey Right-to-Know components: Molecular sieve 3A, 4A, 5A, 13X; CAS No.: Not available; Revision date: Not available.

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California Proposition 65 components: This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.

DOT Classification: Not regulated under DOT (U.S.).

Other Classifications

WHMIS (Canada): Not controlled.

DSCL (EEC): This product is not classified under EU regulations.

HMIS (U.S.):

Health Hazard: 1
Fire Hazard: 0
Reactivity: 0
Personal Protection: E

NFPA (U.S.):

Health: 1
Flammability: 0
Reactivity: 1

Toxic Substances Control Act (TSCA)

This product complies with all applicable rules or orders under TSCA.

16. Disclaimer

The information contained herein is believed to be accurate and reliable but is provided without any express or implied warranty or guarantee. Users should conduct their own testing to determine the suitability of the product for their intended use. Henan CarbonFresh Activated Carbon Co., Ltd.t'dassume no respibility for any loss, damageor injury resulting from the use of this product or relianc on this information.