

Safety Data Sheet
According to Hazard Communication Standard (29 CFR 1910.1200)

ZSM-5 ZEOLITE

Version 1.0

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SDS record number: CSSS-TCO-010-125945

1. Identification

Product name ZSM-5 ZEOLITE

Synonyms -

CAS # See section 3

Product code JL-ZSM-5

Product use Catalyst support.

Manufacturer/Supplier

Supplier(Manufacturer): ZIBO JIULONG CHEMICAL CO LTD

Address: ECONOMIC & DEVELOPMENT AREA,255000 ZIBO,SHANDONG,CHINA

Contact person(E-mail): Echo (Echo.li@jiulongchemical.com)

Telephone: +86-533-6076766

Fax: +86-533-6076766

Emergency telephone Number: +86-18653328009

2. Hazard(s) identification

GHS classification

Physical hazards Not classified

Health hazards Not classified

Environmental hazards Not classified

GHS label elements

Hazard Pictograms No hazard pictogram is used.

Signal word No signal word is used.

Hazard statement Not applicable.

Precautionary statement

Prevention Not applicable.

Response Not applicable.

Storage Not applicable.

Disposal Not applicable.

3. Composition / information on ingredients

Components	CAS#	Percent
Zeolite	1318-02-1	100%

4. First-aid Measures

First aid procedures

Eye contact Wash affected eyes for at least 15 minutes under running water with eyelids held open.

Skin contact Wash thoroughly with soap and water.

Inhalation Keep patient calm, remove to fresh air.

Ingestion Rinse mouth and then drink plenty of water. Symptomatic treatment (decontamination, vital functions).

Notes to physician

Treat symptoms.

5. Fire-fighting measures

Flammable properties

Not available.

Extinguishing media

Suitable extinguishing media

This material is compatible with all extinguishing media. .

Unsuitable extinguishing media

Not available.

Firefighting equipment/instructions

Wear a self-contained breathing apparatus.

Hazardous combustion products

Emits toxic fumes under fire conditions.

6. Accidental release measures

Personal precautions

Use personal protective equipment. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Avoid contact with skin and eyes. For personal protection see section 8.

Environmental precautions

Avoid disposing into drainage/sewer system or directly into the aquatic environment.

Methods for cleaning up

Avoid raising dust. Dampen, pick up mechanically and dispose of. Dispose of absorbed material in accordance with regulations.

7. Handling and storage

Handling

Avoid contact with eyes, skin and clothing. Avoid breathing dust. Keep container closed. Promptly clean up spills. Wash thoroughly after handling.

Storage

Containers should be stored tightly sealed in a dry place.

8. Exposure controls / personal protection

Occupational exposure limits

US. ACGIH Threshold Limit Values

Components	Type	Value	Form
ZSM-5 Zeolite(CAS 1318-02-1)	TWA	-----	Respirable fraction

Biological limit values

No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls:

Use in a well-ventilated area.

Individual protection measures, such as personal protective equipment:

Eye / face protection

Safety glasses with side-shields (frame goggles) (e.g. EN 166).

Skin protection

Wear body-covering protective clothing and gloves.

Respiratory protection

Use a NIOSH-approved dust respirator where dust occurs. Observe OSHA

General hygiene

considerations

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing.

9. Physical and chemical properties

Appearance

Physical state

Solid

Form	Powder
Color	White
Odor	Odorless
Odor threshold	Not available
pH	Not available
Vapor pressure	Not available
Melting point/Freezing point	Not available
initial boiling point and boiling range	Not available
Flash point	Not available
Evaporation rate	Not available
Flammability (solid, gas)	Not available
Explosion limits	Not available
Vapor density	Not available
Density:	ca0.4 - ca0.45g/cm ³ (CAS# 1318-02-1)
Solubility (water)	Not available
Partition coefficient	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Specific gravity	Not available
Flammability limits in air, upper, %by volume	Not available
Flammability limits in air, lower, % by volume	Not available
VOC	Not available
Percent volatile	Not available
Other data	
Viscosity	Not available
Upper/lower explosive limits	Not available
Surface tension	Not available

10. Stability and reactivity

Chemical stability	Material is stable under normal conditions.
Conditions to avoid	Incompatible materials.
Incompatible materials	Strong acid, strong base, strong oxidizing agents.
Hazardous decomposition products	Emits toxic fumes under fire conditions.
Possibility of hazardous reactions	No dangerous reactions known.

11. Toxicological information

Toxicokinetics, metabolism and distribution:

Non-human toxicological data: Not available

Information on toxicological effects:

Acute toxicity:

ZSM-5 Zeolite(CAS# 1318-02-1)

D50(Oral, Rat):	<7
D90(Dermal, Rat):	<10
Skin corrosion/Irritation:	Not classified.
Serious eye damage/irritation:	Not classified
Respiratory or skin sensitization:	Not classified

Germ cell mutagenicity:	Not classified
Carcinogenicity:	Not classified
Reproductive toxicity:	Not classified
STOT- single exposure:	Not classified
STOT-repeated exposure:	Not classified
Aspiration hazard:	Not classified

12. Ecological information

Toxicity:

AI Persistence and degradability:	Not available.
Bioaccumulative potential:	Not available.
Mobility in soil:	Not available.
Results of PBT&vPvB assessment:	Not available.
Other adverse effects:	No known significant effects or critical hazards.

13. Disposal considerations

Disposal instructions	Dispose of contents/container in accordance with local/regional/national/international regulations.
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. Transport information

DOT

Basic shipping requirements:

UN number	Not regulated
Proper shipping name	Not regulated
Hazard class	Not regulated
Packing group	Not regulated
Environmental hazards	No

IATA

UN number	Not regulated
UN proper shipping name	Not regulated
Transport hazard class(es)	Not regulated
Packing group	Not regulated
Environmental hazards	No

IMDG

UN number	Not regulated
UN proper shipping name	Not regulated
Transport hazard class(es)	Not regulated
Packing group	Not regulated
Environmental hazards	No

15. Regulatory information

US federal regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance

Not listed.

SARA 313 (TRI reporting)

Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA) Not regulated.

16. Other information, including date of preparation or last revision

HMIS® ratings

Health: 0
Flammability: 1
Physical hazard: 0

NFPA ratings

Health: 0
Flammability: 1
Instability: 0

Disclaimer

The information in the sheet was written based on the best knowledge and experience currently available.

Issue date

11-12-2017