

**SECTION 1— CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

<b>Product Name:</b> ZSM-22 Zeolite	CAS No.: 1318-02 -1
<b>Alternative Name:</b> Zeolite, molecular sieves, ZSM-22, ZSM-22 Zeolite(TON)	Identified Use(s): Catalyst, Adsorbent

**COMPANY IDENTIFICATION**

UZI CATA Industry Co.,Ltd

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**SECTION 2 — HAZARDS IDENTIFICATION**

This chemical is considered nonhazardous according to GHS classifications for the Hazard Communication Standard. Please note: Used products may contain harmful substances. Treat all laboratory chemicals with caution.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

Zeolite: 100 wt% (CAS No.: 1318-02-1)

**SECTION 4 — FIRST AID MEASURES**

**Eye contact:** Immediately rinse with plenty of water for at least 15 minutes.

If you continue to experience eye discomfort, seek medical attention.

**Skin contact:** Contact with fresh products generally does not cause irritation.

Rinse with soap and plenty of water.

**Note to doctors:** Used products may contain some harmful substances.

Please identify the substance and treat it appropriately.

Call a POISON CENTER or physician if you feel unwell.

**SECTION 5 — FIRE FIGHTING MEASURES**

**Nonflammable solid.**

**Fire protection advice:** Wear protective clothing, dust mask, goggles, protective gloves.

**SECTION 6 — ACCIDENTAL RELEASE MEASURES**

**Personal protective equipment:**

Wear protective clothing, dust mask, goggles, protective gloves during handling

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

Sweep up, place in sealed bag or container and dispose. Ventilate area and wash spill site after material pickup is complete. The collected leaked products should be disposed of in accordance with the relevant regulations of the local government.

**SECTION 7 — HANDLING AND STORAGE**

**Conditions for safe storage:**

Store in original packaging in a cool, dry place. After opening, please transfer the remaining products to an airtight container for storage.

**Precautions for safe handling:**

Please use in a place with good ventilation or ventilation equipment. Wear protective equipment to comply with good occupational hygiene practice. Do not eat, drink or smoke at the work place.

**SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION**

**Occupational Exposure Limits :**

UK EH40: Dust

Total inhalable: WEL 10mg/m<sup>3</sup> 8h TWA.

Respirable: WEL 4mg/m<sup>3</sup> 8h TWA

ACGIH: Particulates not otherwise classified.

Inhalable TLV 10mg/m<sup>3</sup> 8h TWA

Respirable: TLV 3mg/m<sup>3</sup> 8h TWA

OSHA: Inert or Nuisance Dust

Total dust: PEL 15mg/m<sup>3</sup> 8h TWA.

Respirable fraction: PEL 5mg/m<sup>3</sup> 8h TWA.

**Appropriate engineering controls:** Provide adequate ventilation.

Emergency shower and eye wash facilities should be readily available.

**Personal protection:** Wear protective clothing, dust mask, goggles, protective gloves.  
Wash hands thoroughly after handling.

**Environmental Exposure controls:** Use with local exhaust ventilation.

**SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES**

**Main component:** SiO<sub>2</sub>

**Appearance and properties:** White powder

**PH:** Not applicable. The leaching solution dispersed in water is weakly acidic or neutral.

**Color:** White

**Odour:** Odourless

**Boiling point :** Not applicable

**Freezing point:** Not applicable

**Density :** > 1 g/cm<sup>3</sup>

**Vapor pressure:** Not applicable

**Burning heat:** Not applicable

**Standard molar enthalpy of combustion:** Not applicable

**Refractive index:** Not applicable

**Flash point (open cup) :** Not applicable

**Explosion limit (in air) :** Not applicable

**Solubility:** Insoluble in water or organic solvents

**Main use:** Adsorbent

**Other physical and chemical properties:** Not available

## **SECTION 10 — STABILITY AND REACTIVITY**

**Chemical stability:** Stable

**Incompatible materials:** None

**Conditions to avoid:** Keep away from strong bases and hydrofluoric acid

**Hazardous decomposition product(s):** None

## **SECTION 11 — TOXICOLOGICAL INFORMATION**

**Acute effects:** Not available

**Chronic effects:** Not available

**Target organs:** Not available

**ORL-RAT LD50:** Not available

**IHL-RAT LC50:** Not available

**SKN-RBT LD50:** Not available

## **SECTION 12 — ECOLOGICAL INFORMATION**

**Ecotoxicological toxicity:** Not available

**Biodegradability:** Not available

**Non-biodegradability:** Not available

**Bioenrichment or bioaccumulation:** Not available

**Other harmful effects:** None

## **SECTION 13 — DISPOSAL CONSIDERATIONS**

This product, in its fresh and unused state, is not included in the list of hazardous chemicals (flammability, corrosion, chemical activity, toxicity) by the United States Environmental Protection Agency, and is not included in the List of Hazardous Chemicals by the Ministry of Ecology and Environment of the People's Republic of China. In the process of using this product to treat some hazardous chemicals, a small amount of residue may occur; The user shall, according to the nature of the residue, adopt a targeted treatment method for the discarded product in accordance with the laws and regulations of the country. Please review all federal, state and local regulations that may apply before proceeding.

## **SECTION 14 — TRANSPORT INFORMATION**

Shipping name: Not regulated.

Hazard class: Not applicable

UN number: Not applicable

## **SECTION 15 — REGULATORY INFORMATION**

Unregulated.

## **SECTION 16 — OTHER INFORMATION**

Revision Date: 01/01/2024

Modification Note: The previous version of MSDS was revised in accordance with the GB/T16483-2008: Safety data sheet for chemical products-Content and order of Section.