MATERIAL SAFETY DATA SHEET

ZEOLITE MOLECULAR

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Substance Name	**Zeolites**
Product Name	Molecular Sieve
Type of Product	4A
Use of the Substance/Mixture	Molecular sieve for adsorption
Supplier	Cosmo Chemistry India Pvt. Ltd.
Address	Office No. 713, 7th Floor, Millennium Business Hub, Sarthana Jakatnaka, Varachha Main Road, Surat, Gujarat, India - 395006
Telephone	+91 7984584838
Email	info@cosmochemistryindia.com
Emergency Telephone Number	+91 7984584838

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the Substance or Mixture

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

2.2 Label Elements

This substance does not require a label under Regulation (EC) No 1272/2008.

2.3 Other Hazards

Potential Health Effects: 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.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

CAS#	**Chemical Name**	**Percent**	**EINECS/ELINCS**
1318-02-1	Zeolites	>70%	215-283-8
1332-58-7	Kaolin	<30%	310-194-1

SECTION 4: FIRST AID MEASURES

4.1 Description of First Aid Measures

Consult a physician. Show this safety data sheet to the doctor in attendance.

If Inhaled: If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In Case of Skin Contact: Wash off with soap and plenty of water. Consult a physician.

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. Consult a physician.

4.2 Most Important Symptoms and Effects, Both Acute and Delayed

The most important known symptoms and effects are described in the labelling (see Section 2.2) and/or in Section 11.

4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed

No data available.

SECTION 5: FIREFIGHTING MEASURES

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Non-combustible; substance itself does not burn but may decompose upon heating to produce irritating, corrosive and/or toxic fumes.

Extinguishing Media: Substance is noncombustible; use agent most appropriate to extinguish surrounding fire.

Flash Point: Not applicable.

Autoignition Temperature: Not applicable.

Explosion Limits (Lower/Upper): Not available.

SECTION 6: ACCIDENTAL RELEASE MEASURES

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Vacuum or sweep up material and place into a suitable disposal container. Clean up spills immediately, observing precautions in the Protective Equipment section. Avoid generating dusty conditions. Provide ventilation.

SECTION 7: HANDLING AND STORAGE

Handling: Wash thoroughly after handling. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid breathing dust and vapor. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation.

Storage: Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances. Store protected from moisture.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Airborne Exposure Limits: None.

Ventilation System: In general, dilution ventilation is a satisfactory health hazard control for this substance. However, if conditions of use create discomfort to the worker, a local exhaust system should be considered.

Personal Respirators: For conditions of use where exposure to the substance is apparent and engineering controls are not feasible, consult an industrial hygienist. For emergencies, or instances where the exposure levels are not known, use a full facepiece positive-pressure, air-supplied respirator. Air purifying respirators do not protect workers in oxygen-deficient atmospheres.

Skin Protection: Wear protective gloves and clean body-covering clothing.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Eye Protection: Use chemical safety goggles or full face shield where dusting or splashing of solutions is possible. Maintain eye wash fountain and quick-drench facilities in the work area.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Parameter	Value
Physical State	Bead/Pellet
Appearance	Beige
Odour	Odourless
Solubility	Insoluble in water
Specific Gravity	Not available
pH	Not available
Flash Point	None
Boiling Point	Not available
Freezing/Melting Point	Not available
Vapour Density	Not available
Vapour Pressure	Not available
Evaporation Rate	Not available

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability: Stable under normal temperatures and pressures.

Hazardous Decomposition Products: Has not been reported.

Hazardous Polymerization: Has not been reported.

Incompatibilities with Other Materials: Moisture.

Conditions to Avoid: Excess heat, exposure to moist air or water.

SECTION 11: TOXICOLOGICAL INFORMATION

Product Information

Test	Result
Oral Rate LD50	Based on ATE data, classification criteria are not met. ATE > 2000 mg/kg.
Dermal LD50	Based on ATE data, classification criteria are not met. ATE > 2000 mg/kg.
Mist LC50	Based on ATE data, classification criteria are not met. ATE > 5 mg/l.

Toxicologically Synergistic Products: No information available.

Carcinogenicity: No information found.

Epidemiology: No information found.

Teratogenicity: No information found.

Reproductive Effects: No information found.

Mutagenicity: No information found.

Neurotoxicity: No information found.

SECTION 12: ECOLOGICAL INFORMATION

Environmental Fate: No information found.

Environmental Toxicity: No information found.

SECTION 13: DISPOSAL CONSIDERATIONS

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Additionally, waste generators must consult applicable state, local, and national hazardous waste regulations to ensure complete and accurate classification.

SECTION 14: TRANSPORT INFORMATION

Parameter	Value
D.O.T. Labels Required	None
D.O.T. Shipping Name	Not available
D.O.T. Hazard Classification	Non-hazardous
IMDG/IMO	Non-hazardous
Special Provisions for Transport	Not applicable
IATA (International Shipments)	Not hazardous from the standpoint of transportation

SECTION 15: REGULATORY INFORMATION

Safety data sheet prepared in accordance with Regulation (EC) No. 1907/2006 and its amendment (453/2010).

15.1 Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture

UK Regulation - Chip3: Chemical (Hazard Information and Packaging for Supply) Regulations 2002.

15.2 Chemical Safety Assessment

None.

Inventories

Inventory	Status
EINECS	Conforms to
TSCA	Conforms to
AICS	Conforms to
DSL	All components of this product are on the Canadian DSL
ENCS (JP)	Conforms to
KECI (KR)	Conforms to
PICCS (PH)	Conforms to
IECSC (CN)	Conforms to

SECTION 16: OTHER INFORMATION

Thesaurus:

NOAEL: No Observed Adverse Effect Level

LOAEL: Lowest Observed Adverse Effect Level

bw: Body weight

food: Oral feed

dw: Dry weight

vPvB: Very Persistent and very Bioaccumulative

PBT: Persistent, Bioaccumulative and Toxic

This safety data sheet complies with international standard ISO 11014-1. In case of formulations or mixtures, it is necessary to ascertain that a new danger will not appear. The information contained is based on Cosmo Chemistry India's knowledge of the product at the date of publishing and is given in good faith. Users are advised of possible additional hazards when the product is used in applications for which it was not intended. This sheet shall only be used and reproduced for prevention and security purposes. The references to legislative, regulatory and codes of practice documents cannot be considered as exhaustive. It is the responsibility of the person receiving the product to refer to the totality of the official documents concerning the use, possession and handling of the product. It is also the

responsibility of the handlers of the product to pass on to any subsequent persons who will come into contact with the product (usage, storage, cleaning of containers, other processes) the totality of the information contained within this safety data sheet, necessary for safety at work, the protection of health and the protection of the environment.

In this document, the numerical separator of the thousands is the "." (point), and the decimal separator is "," (comma).

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