JALON (THAILAND) CO., LTD.
Add.: No. 890/68, Mu 3, Khao Khan Song, Si Racha, Chon Buri, Thailand, 20110
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Material Safety Data Sheet

Date:Jan/01/2022

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Identification of the product

Substance name: Zeolites

Product name: Molecular Sieve

Type of Product: 4A

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the Substance/Mixture: Molecular sieve for adsorption.

1.3. Details of the supplier of the safety data sheet

Jalon (Thailand) Co., Ltd.
Add: No. 890/68, Mu. 3, Khao Khan Song, Si Racha,
Chon Buri, Thailand, 20110
Tel: +66 33 265 700
www.jalon.co.th E-mail: info@jalon.co.th

1.4. Emergency telephone number

+66 33 265 700

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

Label elements (REGULATION (EC) No 1272/2008):

This substance does not require a label.

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.

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

4. FIRST AID MEASURES

4.1 Description of first aid measures

General advice: 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

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: Not available.

Upper: Not available.

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.

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.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Airborne Exposure Limits: None established.

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 face piece positive-pressure, air-supplied respirator.
WARNING: 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 work area.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Bead/ pellet
Appearance: Beige
Odor: Odorless.
Solubility: Insoluble in water.
Specific Gravity: Not available.
pH: Not available.
Flash Point: None
Boiling Point: Not available.
Freezing/Melting Point: Not available.
Vapor Density: Not available.
Vapor Pressure: Not available.
Evaporation Rate: Not available.

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.

11. TOXICOLOGICAL INFORMATION

LD50/LC50: Not 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

12. ECOLOGICAL INFORMATION

Environmental Fate: No information found.

Environmental Toxicity: No information found.

13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORT INFORMATION

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 (for international shipments):

Not hazardous from the standpoint of transportation.

15. REGULATORY INFORMATION

Safety data sheets: according to 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:

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

16. OTHER INFORMATION

Thesaurus:

NOAEL: No Observed Adverse Effect Level (NOAEL)
LOAEL: Lowest Observed Adverse Effect Level (LOAEL)
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 our

knowledge of the product, at the date of publishing and it is given quite sincerely. 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, the possession and the 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 and necessary for safety at work, the protection of health and the protection of environment.

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