SAFETY DATA SHEET

CLINOPTILOLITE - ASIA ZEOLITE

December 2022

1. IDENTIFICATION OF SUBSTANCE AND COMPANY NAME

Product Trade Name : **CLINOPTILOLITE - ASIA ZEOLITE**

General Uses : Animal Feed Additive, Soil Conditioner, Water Filtration, Sorbent, Desiccant

Manufacturer's Details
Company Name : **ASIA ZEOLITE (PT. PARAGON PERDANA MINING)**
Address : Jl. Ciputat Raya No. 15, Kebayoran Lama,
Jakarta Selatan 12240, DKI, Indonesia

Phone Number : +6221 2952 8677

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Emergency Phone Number : +6221 2952 8677
HS Code : 2530.90.90

2. HAZARDS IDENTIFICATION

Hazard Classification : Not Classified as hazardous

Regulation (EU) No 1272/2008
GHS Regulations : Not classified as hazardous
CLP Regulation : Not classified as hazardous

Directive 67/548/EEC : Not Applicable

Directive 1999/45/EC : Not Applicable

Label Elements
Symbols : Not Regulated

Signal word : Not Regulated

Hazard statement : Not Regulated

Other hazard which are not included in the classification criteria : No data available

3. COMPOSITION / INFORMATION ON INGREDIENTS

CI Number	CAS Number	Content %
Clinoptilolite	12173-10-3	93-97
Water	7732-18-5	3-7

4. FIRST AID MEASURES

Description of necessary measures

Eye contact : Flush with clean water for 5 to 10 minutes. If irritation persists seek immediate medical attention

Skin contact : Wash affected area with soap and water and apply suitable skin protection cream.
If irritation or rash persists seek medical advice

Inhalation : Remove patient from affected area. Seek medical advice if symptoms persists

Ingestion	:	If adverse effects occur seek medical advice
Protection of first-aid	:	No action shall be taken involving any personal risk or without suitable training.
Notes to physician	:	Base material is non-toxic and chemically inert. It is however highly absorbent and could have a dehydrating effect if large amounts are ingested rapidly. Electron photomicrographs have shown that particle shape is generally blocky and sub-rounded rather than sharp and shardy. Implications are that inhaled material would be less irritant than silica dust.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media	:	Use an extinguishing agent suitable for the surrounding fire
Special exposure hazards	:	No specific fire or explosion hazard. No specific fire or explosion hazard. Decomposition products may include the following materials: carbon dioxide, carbon monoxide
Special Protective Equipment	:	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	:	Avoid prolonged breathing of dust or prolonged contact of dust with skin. Person with a history of respiratory illness or reduced pulmonary function should avoid areas with high dust levels.
Environmental precautions	:	Other than respirable dust limitations no environmental hazards are known for this zeolite.
Methods for cleaning up	:	Pick up mechanically and place in a suitable container - avoid generating dust.
Protection equipment	:	Safety glasses or chemical goggles.

7. HANDLING AND STORAGE

Safe handling advice	:	Avoid contact with eyes, skin, and clothing. Avoid generating and breathing dust.
Storage	:	Protect from moisture.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Engineering Controls	:	Use suitable means of dust collection/suppression so that airborne dust limits do not exceed the exposure limits. If respirable dust levels exceed industrial limit, use respirators suitable for inert crystalline dust.
Exposure Limits	:	Crystalline alumino-silicate that could be classified as a nuisance dust with an exposure standard of 10mg/m³ (same as Type GP Cement).
Respiratory protection	:	Avoid dusty areas unless wearing suitable respirator. Stand on windward side of any temporary spills.
Hand protection	:	Wash hands well with detergent and water before consumption of food. Do not use as a medicine.
Eye protection	:	Wear protective goggles if intrusion into high dust area is necessary.
Skin protection	:	Wash hands with soap and water. Use suitable skin protection cream.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	:	**White Powder and Granule**
Colour	:	Ivory White
Odour	:	Odourless
Chemical Stability	:	Excellent
Melting Point	:	>1000°C (may tend to forth and bubble at temperature in excess of 200°C)
Solubility in Water	:	None
Vapour Pressure	:	Not Applicable
Vapour Density	:	Not Applicable
Volatiles	:	Nil
Flash Point	:	Not Applicable
Flammability	:	Non-Flammable

Explosive Limits	:	Non-Explosive
Auto Ignition Temperature	:	Not Applicable
Bulk Density	:	650-850 kg/m³

10. STABILITY AND REACTIVITY

Chemical and Th stability	:	Stable if used as intended
Conditions to avoid	:	No further information available.
Substances to avoid	:	Will react with HF acid. Possible mild reaction during contact with very strong oxidizing agents.
Hazardous Decomposition	:	No further information available.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation	:	No hazards
Ingestion	:	No hazards
Skin contact	:	No hazards
Eye contact	:	No hazards

Health hazards information

Acute toxicity	:	Not classified
Skin corrosion / irritations	:	Not classified
Serious eye irritations	:	Not classified
Respiratory sensitization	:	Classification not possible
Skin sensitization	:	Not classified
Carcinogenicity	:	Classification not possible
Germ cell mutagenicity	:	Classification not possible
Reproductive toxicity	:	Not classified
Specific target organ toxicity	:	Classification not possible
Aspiration hazard	:	Classification not possible

12. ECOLOGICAL INFORMATION

Toxicity	:	No known toxicity to plants or animals.
Environmental Fate	:	Inorganic material does no decompose and is not eliminated from environment by means of biological cleaning processes.
Bioaccumulation	:	Does not bioaccumulate in animal or plants.
Mobility in soil	:	Not mobile.

13. DISPOSAL CONSIDERATIONS

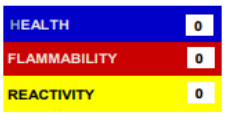
Classification	:	Not a RCRA Hazardous Waste.
Disposal Method	:	Avoid excessive exposure to dust. If dust grade material is spilt use respirator during dry clean up or alternatively hose down with water.

14. TRANSPORT INFORMATION

Road Transport	:	Not classified as a Dangerous Goods.
Sea Transport	:	Not classified
Air Transport	:	Not classified

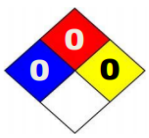
15. REGULATORY INFORMATION

HMIS RATING :



Health	: No significant health risk
Flammability	: Will not burn
Reactivity	: Will not react, polymerize, decompose, condense, or self react. Non-explosive

NFPA CODES :



Health	: No precaution necessary
Flammability	: Non combustible
Reactivity	: Not reactive when mixed with water
Special	: None

16. OTHER INFORMATION

Prepared by : Environmental, Health and Safety Department
Created : 28/12/2022
Key to Abbreviations :
CAS = Class Allocation System
DSCL (EEC) = Dangerous Substance Directive (European Union Directive)
GHS = Globally Harmonized System of Classification and Labelling of Chemicals.
IATA = International Air Transport Association
ICAO = International Civil Aviation Organisation.
IMDG = International Maritime Code for Dangerous Goods.
NFPA = National Fire Protection Association.
RID = Rules Concerning the International Carriage of Dangerous Goods by Rail.
TSCA = United State Inventory, The Toxic Substance Control Act
UN = United Nations
WHMIS = Workplace Hazardous Material Information System.

The data information contain herein are based on the present state of our knowledge and experience, and describe product only with regard to safety requirements. The data do not describe the product's properties (product specification). Neither should any agreed property nor the suitability of the product for any specific purpose be deduced from the data contained in the Material Safety Data Sheet.
It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.
End of MSDS