

Material Safety Data Sheet

Section 1 - Chemical Product And Company Identification

Sample Name: **MOLECULAR SIEVE TYPE 4A**

Company Identification: E.D.S. International (Thailand) Co.,LTD.

Mainland address: No. 119/134 Moo 6 , Soi Sinthani, Nawamin101 Road, Klongkum, Buengkum, Bangkok 10240

Tel: +66(0) 2 509 5928 ~ 29

Fax: +66(0) 2 509 5930

Section 2 - Composition Information on Ingredients

Chemical Name	Percent (by weight)	CAS No.
Silicon Oxide (Synthetic)	< 60%	7631-86-9
Sodium Oxide	< 40%	1313-59-3
Aluminum Oxide	< 40%	1344-28-1
Magnesium Oxide	< 5%	1309-48-4

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Non-flammable. Safe under normal use. If contacted with grinding dust, may cause eyes and skin irritation. If inhaled grinding dust, may cause upper respiratory system irritation.

Target organs: Eye, skin and respiratory system.

Hazards sorts: Not available.

Potential Health Effects:

- Eye: If contacted with grinding dust, may cause eyes irritation.
- Skin: If contacted with grinding dust, may dry skin.
- Ingestion: Product is not intended to be ingested or eaten under normal

Section 8 – Exposure Controls, Personal Protection

Exposure Limit:

CAS# 1344-28-1

- PEL-TWA 15mg/m³ (OSHA, total) 5mg/m³ (OSHA, resp)

CAS# 7631-86-9

- PEL-TWA 15mg/m³ (OSHA, total) 5mg/m³ (OSHA, resp) 5mg/m³ (OSHA, fume)
- TLV-TWA 6mg/m³ (ACGIH)

Monitoring Methods: No information found.

Engineering Controls: Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.
Equipped with safety shower and eyes bath.

Personal Protective Equipment:

- Eyes: Wear appropriate protective eyeglasses or chemical safety goggles.
- Skin: Wear appropriate protective gloves to prevent skin exposure.
- Clothing: Working clothing is suggested.
- Respirators: It is suggested to use an appropriate respirator if dust in the air or if irritation or other symptoms are experienced.

Section 9 – Physical and Chemical Properties

Form:	Solid
Color:	Tan
Odor:	None
pH:	8~11 (AS)
Boiling Point/range:	N/A
Melting Point/range:	N/A
Decomposition Temperature:	N/A
Density:	0.5~0.9 g/mL
Ignition Temperature:	N/A
Solubility:	Soluble in acid or soda, insoluble in water

Section 10 – Stability and Reactivity

Chemical Stability: Stable under normal condition.

Conditions to Avoid: Th/ vond□dl d " q void: T □
Con C n

having high heats of adsorption such as olefins, HCl, etc.

Hazardous Decomposition Products: Na/A

Hazardous polymerization: Will not occur.

Section 11 – Toxicological Information

Toxicological Information:

CAS# 1344-28-1

- LD50: >5000 mg/Kg (oral, rat)

CAS# 7631-86-9

- LD50: >5510 mg/Kg (oral, rat)
- LD50: >5000 mg/Kg (dermal, rabbit)

Carcinogenicity: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

Sensitization Rate: Not available.

Teratogenicity: Not available.

Section 12 – Ecological Information

Ecological Toxicity: Not available.

Ecological Degradation: Not available.

Abiology Degradation: Not available.

Aquatic Toxicity: Not available.

Section 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.

Section 14 – Transport Information

Not regulated as a hazardous material for transportation. (D.O.T; TDG; IMDG; IATA; DGR)

UN: N/A

Classification: N/A

Packaging Sign: N/A

Shipping Name: N/A

Packaging Category: N/A

Packaging Method: N/A

Shipping Notice: N/A

Section 15 – Regulatory Information

Regulatory Information: Reference to the local, national and EU / international regulations.

TSCA: All compounds are listed.

DSL: All compounds are listed.

OSHA: No compounds are listed.

California Prop 65: No compounds are listed.

Hazard Symbols: N/A

Safety Description:

S22: Do not breathe dust

S25: Avoid contact with eyes

Risk Codes: N/A

Section 16 – Additional Information

Issue Time: 2018-2-1

Issue Department: Technical Department

Date review unit:

Modification record:

Other Information:

Regional representation: This information is given on the authorized Material Safety Data Sheet for your country.