



## Safety Data Sheet

### Molecular sieve 3 Å

#### Section 1: Chemical Product and Company Identification

**Product Name:** Molecular sieve 3 Å

**Catalog Codes:** 445

**CAS#:** 1318-02-1

**RTECS:** ZG6800000

**Synonym:** Sodium aluminum silicate

**Chemical Name:** Molecular sieve 0.3 nm (3°A)

**Chemical Formula:** Not available.

**Contact Information:**

**Email:** Info@etoocpharmed.com

**Address:** No.7, Bahar Shiraz St., Shariyaty St., Tehran, Iran

**post code:** 1565838773

**Tehran Sales:** (+98)77 510 414

**Order Online:** etoocpharmed.com

#### Section 2: Composition and Information on Ingredients

**Composition:**

Name	CAS #	% by Weight
Molecular sieve 3 Å	1318-02-1	-

**Toxicological Data on Ingredients:** LD50 Oral - Rat - male and female - > 5.110 mg/kg. LD50 Dermal - Rabbit - female - > 2.000 mg/kg.

#### Section 3: Hazards Identification

**Classification of the substance or mixture**

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

**Label elements**

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

**Other hazards**

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 4: First Aid Measures

### Description of first-aid measures

#### If inhaled

After inhalation: fresh air.

#### In case of skin contact

In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower.

#### In case of eye contact

After eye contact: rinse out with plenty of water. Remove contact lenses.

#### If swallowed

After swallowing: make victim drink water (two glasses at most). Consult doctor if feeling unwell.

### Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 3) and/or in section 11

### Indication of any immediate medical attention and special treatment needed

No data available

## Section 5: Firefighting measures

### Extinguishing media

#### Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

#### Unsuitable extinguishing media

For this substance/mixture no limitations of extinguishing agents are given.

### Special hazards arising from the substance or mixture

Nature of decomposition products not known.

Not combustible.

Ambient fire may liberate hazardous vapours.

### Advice for firefighters

In the event of fire, wear self-contained breathing apparatus.

### Further information

none

## Section 6: Accidental Release Measures

### **Personal precautions, protective equipment and emergency procedures**

Advice for non-emergency personnel: Avoid inhalation of dusts. Evacuate the danger area, observe emergency procedures, consult an expert.

For personal protection see section 8.

### **Environmental precautions**

No special precautionary measures necessary.

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

Observe possible material restrictions (see sections 7 and 10). Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts.

### **Reference to other sections**

For disposal see section 13.

## Section 7: Handling and Storage

### **Precautions for safe handling**

For precautions see section 3.

### **Conditions for safe storage, including any incompatibilities**

Storage conditions  
Tightly closed. Dry.

Recommended storage temperature see product label.

### **Storage class**

Storage class (TRGS 510): 13: Non Combustible Solids

### **Specific end use(s)**

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

## Section 8: Exposure Controls/Personal Protection

### **Control parameters**

### **Ingredients with workplace control parameters**

### **Exposure controls**

### **Personal protective equipment**

#### Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Safety glasses

#### Skin protection

Full contact

Material: Nitrile rubber

Minimum layer thickness: 0,11 mm

Break through time: 480 min

Material tested:KCL 741 Dermatril® L

Splash contact

Material: Nitrile rubber

Minimum layer thickness: 0,11 mm

Break through time: 480 min

Material tested:KCL 741 Dermatril® L

#### Respiratory protection

required when dusts are generated.

Our recommendations on filtering respiratory protection are based on the following standards: DIN EN 143, DIN 14387 and other accompanying standards relating to the used respiratory protection system.

Recommended Filter type: Filter type P1

The entrepreneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer.

These measures have to be properly documented.

#### Control of environmental exposure

No special precautionary measures necessary.

### Section 9: Physical and Chemical Properties

#### Information on basic physical and chemical properties

a) Appearance	Form: solid (Beads) Color: tan
b) Odor	odorless
c) Odor Threshold	Not applicable
d) pH	No data available
e) Melting point/freezing point	Melting point/range: >1600 °C
f) Initial boiling point and boiling range	No data available

g) Flash point	Not applicable
h) Evaporation rate	No data available
i) Flammability (solid,gas)	The product is not flammable.
j) Upper/lower flammability or explosive limits	No data available
k) Vapor pressure	No data available
l) Vapor density	No data available
m) Density	No data available
Relative density	2,2 at 20 °C - OECD Test Guideline 109
n) Water solubility	Soluble (20 °C)
o) Partition coefficient: n-octanol/water	Not applicable for inorganic substances
p) Autoignition temperature	No data available
q) Decomposition temperature	No data available
r) Viscosity	Viscosity, kinematic: No data available Viscosity, dynamic: No data available
s) Explosive properties	No data available
t) Oxidizing properties	none
<b>Other safety information</b>	
Bulk density	ca.700 - 750 kg/m3

### Section 10: Stability and Reactivity Data

**Reactivity**

No data available

**Chemical stability**

The product is chemically stable under standard ambient conditions (room temperature).

**Possibility of hazardous reactions**

no information available

**Conditions to avoid**

Avoid moisture.

no information available

**Incompatible materials**

No data available

**Hazardous decomposition products**

In the event of fire: see section 5

**Section 11: Toxicological Information****Information on toxicological effects****Acute toxicity**

LD50 Oral - Rat - male and female - > 5.110 mg/kg

(OECD Test Guideline 401)

Inhalation: No data available

LD50 Dermal - Rabbit - female - > 2.000 mg/kg

(OECD Test Guideline 402)

**Skin corrosion/irritation**

Skin - Rabbit

Result: No skin irritation - 4 h

(OECD Test Guideline 404)

**Serious eye damage/eye irritation**

Eyes - Rabbit

Result: No eye irritation - 168 h

(OECD Test Guideline 405)

Respiratory or skin sensitization

Buehler Test - Guinea pig

Result: negative

(OECD Test Guideline 406)

Germ cell mutagenicity

Test Type: Ames test

Test system: Escherichia coli/Salmonella typhimurium

Metabolic activation: with and without metabolic activation

Method: OECD Test Guideline 471

Result: negative

Test Type: In vitro mammalian cell gene mutation test

Test system: mouse lymphoma cells  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 476  
Result: negative  
Test Type: Chromosome aberration test in vitro  
Test system: Chinese hamster ovary cells  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 473  
Result: positive

Test Type: Micronucleus test  
Species: Mouse  
Cell type: Bone marrow  
Application Route: Oral  
Method: OECD Test Guideline 474  
Result: negative

Test Type: Chromosome aberration test  
Species: Rat  
Cell type: Bone marrow  
Application Route: Oral

Method: OECD Test Guideline 475  
Result: negative

Test Type: dominant lethal test

Species: Rat  
Cell type: Intrauterine  
Application Route: Oral  
Method: OECD Test Guideline 478  
Result: negative

### **Carcinogenicity**

This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification.

### **Reproductive toxicity**

No data available

### **Specific target organ toxicity - single exposure**

No data available

### **Specific target organ toxicity - repeated exposure**

No data available

### **Aspiration hazard**

No data available

## Additional Information

### Endocrine disrupting properties

**Product:**

Assessment :

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Repeated dose toxicity - Rat - male - inhalation (dust/mist/fume) - 13 Weeks

Remarks: (ECHA)

Cough, Difficulty in breathing, Gastrointestinal disturbance, prolonged or repeated exposure can cause; Damage to the lungs.

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Hazardous properties cannot be excluded but are unlikely when the product is handled appropriately.

Handle in accordance with good industrial hygiene and safety practice.

## Section 12: Ecological Information

**Toxicity**

Toxicity to fish	static test NOEC - Pimephales promelas (fathead minnow) - > 680 mg/l - 96 h (US-EPA)
Toxicity to algae	static test ErC50 - Desmodesmus subspicatus (green algae) - 130 mg/l - 72 h (OECD Test Guideline 201)

**Persistence and degradability**

The methods for determining biodegradability are not applicable to inorganic substances.

**Bioaccumulative potential**

No data available

**Mobility in soil**

No data available

**Results of PBT and vPvB assessment**

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 15: Other Regulatory Information

### **Safety, health and environmental regulations/legislation specific for the substance or mixture**

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

### **Chemical Safety Assessment**

For this product a chemical safety assessment was not carried out

## Section 16: Other Information

**References:** Not available

**Other Special Considerations:** Not available

**Created:** 08/2022

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the Information for their particular purposes. In no event shall **etoocpharmed.com** be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if **etoocpharmed.com** has been advised of the possibility of such damages.