

# SAFETY DATA SHEET

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## SECTION 1. IDENTIFICATION

**Product Name:** Silver-Exchanged Zeolite

**Product Number:** All applicable American Elements product codes, e.g. AG-ZEO-01-GR/B

**CAS #:** 130328-18-6

**Relevant identified uses of the substance:** Scientific research and development

**Supplier details:**

American Elements  
10884 Weyburn Ave.  
Los Angeles, CA 90024  
Tel: +1 310-208-0551  
Fax: +1 310-208-0351

**Emergency telephone number:**

+1 800-424-9300

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## SECTION 2. HAZARDS IDENTIFICATION

EC Classification

(Directives 67 / 548 / EEC and 1999 / 45 / EC)

Not classified

Symbols

Not classified

Other information

The product includes a substance having Occupational Exposure Limits

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## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Composition

Inorganic chemicals

Substance name Content CAS No EC No Index No REACH Classification\*\*\*

Silver-exchange Zeolite

Greater than 96%

130328-18-6

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## **SECTION 4. FIRST AID MEASURES**

Inhalation

Remove to fresh air and keep at rest in a position comfortable for breathing

Skin contact

IF ON SKIN: Wash with plenty of soap and water

Call a POISON CENTER or doctor if you feel unwell

Eye contact

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice

Ingestion

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting

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## **SECTION 5. FIREFIGHTING MEASURES**

Suitable extinguishing media

Use extinguishing media appropriate for surrounding fire

Unsuitable extinguishing media

None known

Specific hazards

Inhalation of decomposition products may be harmful

Avoid (reject) fire fighting water to enter environment

Advice for fire fighters

Water plus silver zeolites can cause water to boil

Non flammable

Use water stream to cool containers

Wear self-contained breathing apparatus when entering area unless atmosphere is proved to be safe

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## **SECTION 6. ACCIDENTAL RELEASE MEASURES**

Personal precautions

Wear recommended personal protective equipment

Clean up methods

Use only non-sparking tools

Take up with sand, earth or other non-combustible absorbent material

Collect spills and put it into appropriate container

Avoid dust production

Environmental precautions

Prevent entry to sewers and public waters

Notify authorities if liquid enters sewers or public waters

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## **SECTION 7. HANDLING AND STORAGE**

Handling

Handle in accordance with good industrial hygiene and safety procedures

In order to rule out potential electrostatic discharge production, the system must be adequately grounded

Keep away from incompatible materials

Storage

Store in dry, cool, well ventilated area

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## **SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Industrial hygiene

Either local exhaust or general room ventilation is usually required

Personal protection

Handle in accordance with good industrial hygiene and safety procedures

Wear recommended personal protective equipment

Minimize generation of dust

Do not eat, drink or smoke when using this product

Skin protection

Use rubber gloves

Also consider your own risk assessment

Eye protection

Chemical goggles or safety glasses

Respiratory Protection

In case of insufficient ventilation, wear suitable respiratory equipment

WEL (UK)-LTEL (mg/m<sup>3</sup>)

10 inhalable dust (EH40 / 2011)

4 respirable dust (EH40 / 2011)

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## **SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Physical state

Granular solid (1-2 mm)

Colour

Yellow / beige

Odor

Odorless

pH value

No data available

Melting point (oC)

>500 oC

Boiling point (oC)

N/A

Vapor pressure (mm/Hg)

N/A

Specific gravity

0.85 – 1.00

Viscosity

N/A

Solubility in water

Insoluble

Flash point (oC)

N/A

Explosion limits

N/A

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## SECTION 10. STABILITY AND REACTIVITY

### Stability

Stable under normal conditions

### Reactivity

Hazardous polymerization will not occur

### Hazardous properties

None known

### Materials to avoid

Moisture

Strong reducing agents

### Conditions to avoid

Contact with water

High temperature

### Moisture

Hazardous decomposition products

Metal oxides

Acrid smoke, irritating fumes

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## SECTION 11. TOXICOLOGICAL INFORMATION

### Toxicity information

Rat oral LD50 (mg/kg)

No data available

### Dermal

No data available

### Ocular

No data available

May be slight eye irritant

### Carcinogenicity

Cancer suspected agent (Quartz)

### Mutagenicity

Not expected to present a significant hazard under anticipated conditions of normal use

### Toxic for reproduction: fertility

Not expected to present a significant hazard under anticipated conditions of normal use

### Toxic for reproduction: unborn child

Not expected to present a significant hazard under anticipated conditions of normal use

### Other toxicological information

None known

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## SECTION 12. ECOLOGICAL INFORMATION

LC50-48 Hour – fish (mg/l)

Not established

48 H-LC50 – Daphnia magna (mg/l)

Not established

IC50 72h Algae (mg/l)

Not established

Biodegradation (%)

Not established

Environmental precautions

Prevent from entering sewers, basements and workpits, or any place where its accumulation can be dangerous

Notify authorities if product enters sewers or public waters

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## **SECTION 13. DISPOSAL CONSIDERATIONS**

General

Dispose of this material and its container at hazardous or special waste collection point

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## **SECTION 14. TRANSPORT INFORMATION**

Un No

Not regulated (ADR, IMDG, IATA)

Transport hazard class(es)

Not regulated (ADR, IMDG, IATA)

Proper shipping name

Not regulated (ADR, IMDG, IATA)

Packing group

Not regulated (ADR, IMDG, IATA)

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## **SECTION 15. REGULATORY INFORMATION**

Labelling EC 67 / 548 or EC 1999 / 45

Not classified as dangerous preparation / substance

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## **SECTION 16. OTHER INFORMATION**

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH). The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. American Elements shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale. COPYRIGHT 1997-2022 AMERICAN ELEMENTS. LICENSED GRANTED TO MAKE UNLIMITED PAPER COPIES FOR INTERNAL USE ONLY.