

SAFETY DATA SHEET

Date Printed: 05/20/2024

Date Revised: 01/15/2022

SECTION 1. IDENTIFICATION

Product Identifier: Silver-exchanged Zeolite

Product Code: AG-ZEO-01-GR/B

CAS Number: 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

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

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

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

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

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

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

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/m³)

10 inhalable dust (EH40 / 2011)

4 respirable dust (EH40 / 2011)

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 (°C)

>500 °C

Boiling point (°C)

N/A

Vapor pressure (mm/Hg)

N/A

Specific gravity

0.85 – 1.00

Viscosity

N/A

Solubility in water

Insoluble

Flash point (°C)

N/A

Explosion limits

N/A

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

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

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

SECTION 13. DISPOSAL CONSIDERATIONS

General

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

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)

SECTION 15. REGULATORY INFORMATION

Labelling EC 67 / 548 or EC 1999 / 45

Not classified as dangerous preparation / substance

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.