SAFETY DATA SHEET

Date Printed: 03/29/2024
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SECTION 1. IDENTIFICATION

Product Identifier: (3N) 99.9% Calcium Selenite

Product Code: CA-SEIT-03

CAS Number: 13780-18-2

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

Statements of Hazard: Toxic
Acute Health Hazard: Irritant to eyes, skin, mucous membranes and respiratory system. Fatal by ingestion, inhalation or skin absorption.
Chronic Health Hazard: Not Available
HMIS Rating:
H:3
F:0
P:0
NFPA Rating:
H:3
F:0
R:0
To the best of our knowledge, the toxicological properties of this chemical have not beenthoroughly investigated. Use appropriate procedures and precautions to prevent or minimize exposure
Pictogram:



Signal Word: Danger
Hazard Statement(s):

H300 Fatal if swallowed.
H310 Fatal in contact with skin.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H330 Fatal if inhaled.
H335 May cause respiratory irritation.
Precautionary Statement(s):
P223
Keep away from any possible contact with water, because of violent reaction and possible flash fire.
P231+P232
Handle under inert gas. Protect from moisture.
P260
Do not breathe dust/ fume/ gas/ mist/ vapors/ spray.
P264
Wash skin thoroughly after handling.
P270
Do not eat drink or smoke when using this product.
P280
Wear protective gloves/protective clothing/eye protection/face protection.
P301+P312
IF SWALLOWED: Call a POISON
CENTER or doctor/physician if you feel unwell.
P302+P352
IF ON SKIN: Wash with plenty of soap and water.
P304+P340
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332+P313
If skin irritation occurs: Get medical advice/ attention.
Supplemental Statements:
EUH029
Contact with water liberates toxic gas.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name: Calcium selenite
Synonyms: Not Available
CAS Number: 13780-18-2
MDL Number: MFCD00049404
EINECS Number: 237-427-9
Belstein Registry Number: Not Available
Molecular Formula: Ca.H2O3Se
Molecular Weight: 167.04
Content: 99%
Notes: Not Available

SECTION 4. FIRST AID MEASURES

Eye Contact:
Flush eyes with large amounts of water for fifteen minutes. Separate eyelids with fingers. If irritation persists, seek medical attention.
Skin Contact:
Wash skin with soap and water. If irritation persists, seek medical attention.
Ingestion:
Do not induce vomiting. Seek medical attention.
Inhalation:
Move to a fresh air environment. Contact a physician if breathing becomes difficult.

SECTION 5. FIREFIGHTING MEASURES

Flash Point: Not Available
Explosion Limits:
Lower: Not Available
Upper: Not Available
Autoignition: Not Available
Extinguishing Media:
Carbon dioxide, dry chemical powder, alcohol-resistant foam or water spray.
Protective Equipment:
Wear self-contained respirator and fully protective impervious suit.
Specific Hazards:
May emit hazardous fumes under fire conditions.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Protection:
Wear a self-contained breathing apparatus, rubber boots and gloves, and disposable coveralls. Dispose of coveralls after use.
Keep unprotected persons away.
Environmental Protection:
Keep spills out of sewers and bodies of water. Dike and contain the spill with inert material. Absorb on sand, vermiculite or diatomite. Transfer material to a container for disposal or recovery. Ventilate area and wash spill site after material pickup is complete.

SECTION 7. HANDLING AND STORAGE

Handling:
Avoid breathing dust, vapor, mist or gas. Avoid contact with skin and eyes. Avoid prolonged or repeated exposure. Use only in a chemical fume hood. Open and handle container with care. Keep ignition sources away.
Handle under inert gas. Protect from moisture.
Storage: Store under inert gas.
Sensitivities:Moisture, Air
Storage Temperature: 15 – 30 ºC

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eyes:
Wear appropriate protective eyeglass or chemical safety goggles. Make sure that there is an eyewash facility in your vicinity.
Skin:
Wear impervious gloves and protective clothing.
Respiratory:
Use a NIOSH approved respirator when exposure limits are exceeded or if irritation or other symptoms are experienced.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:
White crystalline powder
Odor: Not Available
Melting Point: Not Available
Boiling Point: Not Available
pH Value: Not Available
Density: Not Available
Refractive Index, n20D: Not Available
Viscosity: Not Available
Solubility in Water: Not Available
Vapor Pressure: Not Available
Vapor Density(Air=1): Not Available

SECTION 10. STABILITY AND REACTIVITY

Stability:
Stable under normal temperatures and pressures.
Incompatibility:
Strong oxidizing agents, Acids. Contact with water liberates toxic gas.
Conditions to Avoid:
Heat, Flame, Sparks, Other ignition sources
Hazardous Decomposition Products:
Calcium oxides, Selenium oxides

SECTION 11. TOXICOLOGICAL INFORMATION

RTECS Reference: Not Available
Target Organs: Not Available
Toxicity Data: Not Available
Skin corrosion/irritation: Not Available
Serious eye damage/irritation: Not Available
Carcinogenicity: Not Available

SECTION 12. ECOLOGICAL INFORMATION

Not Available

SECTION 13. DISPOSAL CONSIDERATIONS

Contact a licensed professional waste disposal service. Dispose in a manner consistent with federal, state and local environmental regulations.

SECTION 14. TRANSPORT INFORMATION

DOT Shipping Name: Selenites
DOT UN Number: UN2630
DOT Hazard Class: Class 6.1
DOT Packing Group: I

IMDG Shipping Name: Selenites
IMDG UN Number: UN2630
IMDG Hazard Class: Class 6.1
IMDG Packing Group: I

IATA Shipping Name: Selenites
IATA UN Number: UN2630
IATA Hazard Class: Class 6.1
IATA Packing Group: I

SECTION 15. REGULATORY INFORMATION

United States:
Toxic Substance Control Act (TSCA): Listed
Superfund Amendments and Reauthorization Act (SARA 302): Not listed
Superfund Amendments and Reauthorization Act (SARA 311/312): Not listed
Superfund Amendments and Reauthorization Act (SARA 313): Not listed
European Union:
European Inventory of Existing Chemical Substances
(EINECS): No. 237-427-9
Hazard Codes: Not Available
Risk Statements: Not Available
Safety Statements: Not Available
Canada
Canadian Domestic Substances List (DSL): Not listed
Canadian Domestic Substances List (NDSL): Listed

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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

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