



<a href="#">Calcium Fluorosilicate</a>		<a href="#">Pricing &gt;</a>
Linear Formula	CaF <sub>6</sub> Si	
Pubchem CID	10176392	
MDL Number	N/A	
EC No.	240-991-9	
IUPAC Name	calcium; hexafluorosilicon(2-)	
Beilstein/Reaxys No.	19406	
SMILES	[Ca+2].F[Si-2](F)(F)(F)(F)F	
InchI Identifier	InChI=1S/Ca.F6Si/c;1-7(2,3,4,5)6/q+2;-2	
InchI Key	CVWSBMWWVFJIBN-UHFFFAOYSA-N	
Signal Word	N/A	
Hazard Statements	N/A	
Hazard Codes	N/A	
Risk Codes	N/A	
Safety Statements	N/A	
Transport Information	N/A	
GHS Pictograms	<a href="#">GHS07 Exclamation Point</a>  <a href="#">GHS06 Skull and Crossbones</a> 	

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## SAFETY DATA SHEET

Date Accessed: 05/19/2024

Date Revised: 01/15/2022

## SECTION 1. IDENTIFICATION

**Product Identifiers:** All applicable American Elements product codes for CAS #16925-39-6

**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:  
Domestic, North America +1 800-424-9300  
International +1 703-527-3887

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## SECTION 2. HAZARDS IDENTIFICATION

Statement of Hazard:  
Irritant, Respiratory irritant, Toxic

Acute Health Hazard:  
Irritant to eyes, skin, mucous membranes and respiratory system.

May be fatal by ingestion, skin absorption and inhalation.

Chronic Health Hazard: Not Available  
To the best of our knowledge, the toxicological properties of this chemical have not been thoroughly investigated. Use appropriate procedures and precautions to prevent or minimize exposure.

HMIS Rating:

H: 4

F: 0

P: 0

NFPA Rating:

H: 4

F: 0

R: 0

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):  
P260 Do not breathe  
dust/fume/gas/mist/vapors/spray.  
P262 Do not get in eyes, on skin, or on clothing.  
P264 Wash skin thoroughly after handling.  
P270 Do not eat, drink, or smoke when using this  
product.  
P271 Use only outdoors or in a well-ventilated area.  
P280 Wear protective gloves/protective clothing/eye  
protection/face protection.  
P284 Wear respiratory protection.  
P301+P310 IF SWALLOWED: Immediately call a  
POISON CENTER or doctor/physician.  
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.

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### **SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name: Calcium fluorosilicate dihydrate  
CAS Number: 16925-39-6  
EINECS Number: 240-991-9

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### **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.

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## **SECTION 5. FIREFIGHTING MEASURES**

Flash Point (°C):

Not Available

Explosion Limits:

Not Available

Autoignition (°C):

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.

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## **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. Remove from ignition sources if safe to do so. Follow emergency response plan and contact proper authorities if needed.

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.

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

Handling and Storage:

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.

Store in a tightly closed container in a dry, well-ventilated place.

Sensitivities:

Not Available

Storage Temperature (°C):

15 to 30

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

### Engineering Controls:

Use product in a well ventilated area or under a fume hood. Use proper lab equipment while handling this product. Keep away from incompatible materials for possible risk of hazardous reaction.

### Eye Protection:

Wear appropriate protective eyeglass or chemical safety goggles. Make sure that there is an eyewash station in your vicinity.

### Skin Protection:

Wear impervious gloves and protective clothing.

### Respiratory Protection:

Use a NIOSH approved respirator when exposure limits are exceeded or if irritation or other symptoms are experienced.

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

Appearance: White crystals or powder

Odor: Odorless

Odor Threshold: Not Available

Flash Point (°C): Not Available

Autoignition (°C): Not Available

UEL % by Volume: Not Available

LEL % by Volume: Not Available

Melting Point (°C): Not Available

Boiling Point (°C): Not Available

Evaporation Rate: Not Available

pH Value: Not Available

Density (g/cm<sup>3</sup>): 2.622

Refractive Index (n<sup>20</sup>D): Not Available

Viscosity: Not Available

Solubility in Water: Not Available

Solubility in Other: Not Available

Vapor Pressure (mmHg): Not Available

Vapor Density (Air=1): Not Available

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## **SECTION 10. STABILITY AND REACTIVITY**

### Stability:

Stable under normal temperatures and pressures.

### Incompatibility:

Not Available

### Reactivity:

Product may react with incompatible materials to

release other hazardous substances.  
Conditions to Avoid:  
Heat, flame, sparks, other ignition sources.  
Hazardous Decomposition Products:  
Calcium oxides, Hydrogen fluoride gas, Silicon oxides

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## **SECTION 11. TOXICOLOGICAL INFORMATION**

RTECS Reference: EW4025000  
Target Organs: Not Available  
Toxicity Data: Not Available  
National Toxicology Program (NTP) listed: Not Available  
Carcinogenicity: International Agency for Research on Cancer (IARC) listed: Not Available  
Potential Symptoms: Not Available

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## **SECTION 12. ECOLOGICAL INFORMATION**

Toxicity: Not Available

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## **SECTION 13. DISPOSAL CONSIDERATIONS**

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

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## **SECTION 14. TRANSPORT INFORMATION**

DOT Shipping Name: Fluorosilicates, N.O.S.  
DOT UN Number: UN2856  
DOT Hazard Class: Class 6.1  
DOT Packing Group: PGIII

IMDG Shipping Name: Fluorosilicates, N.O.S.  
IMDG UN Number: UN2856  
IMDG Hazard Class: Class 6.1  
IMDG Packing Group: PGIII

IATA Shipping Name: Fluorosilicates, N.O.S.  
IATA UN Number: UN2856  
IATA Hazard Class: Class 6.1  
IATA Packing Group: PGIII

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## **SECTION 15. REGULATORY INFORMATION**

United States

Toxic Substance Control Act (TSCA) listed:

Yes

Superfund Amendments and Reauthorization Act (SARA 302) listed:

No

Superfund Amendments and Reauthorization Act (SARA 311/312) listed:

No

Superfund Amendments and Reauthorization Act (SARA 313) listed:

No

European Union

European Inventory of Existing Chemical Substances (EINECS): 240-991-9

Canada

Canadian Domestic Substances List (DSL) listed: No

Canadian Non-Domestic Substances List (NDSL) listed: Yes

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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 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.

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