

CALCIUM FLUORIDE
SAFETY DATA SHEET
DATE OF LAST REVISION: 07/20/15

Section 1: Identification

Product Name: Calcium Fluoride
CAS Number: 7789-75-5 / **EC Number:** 232-188-7
Company: Angstrom Sciences, Inc.
40 South Linden Street
Duquesne, PA 15110
For more information call: 412-469-8466
(Monday - Friday 9:00 AM -5:00 PM EST)

Section 2: HAZARD IDENTIFICATION

Signal Word: Warning



Hazard Statements:

H315: Causes skin irritation
H319: Causes serious eye irritation
H335: May cause respiratory irritation

Precautionary Statements:

P261: Avoid breathing dust/fume
P280: Wear protective gloves/protective clothing/eye protection/face protection
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if easy to do. Continue rinsing.
P302 + P352 IF ON SKIN: Wash with plenty of water
P405: Store locked up.
P501: Dispose of contents/container in accordance with local/regional/national/international regulations.

CALCIUM FLUORIDE
SAFETY DATA SHEET

HMIS Health Ratings (0-4):

Health: 1
Flammability: 0
Physical: 1

Section 3: Composition/Information on Ingredients

Chemical characterization: Salt

Additional Names: Fluorite, Fluorspar

CAS# Description: 7789-75-5

Percentage: 100 wt%

EC number: 232-188-7

Section 4: FIRST AID MEASURES

General Treatment: Seek medical attention if symptoms persist.

Special Treatment: Symptoms may not appear for several hours. Medical observation is recommended for 48 hours after serious exposure.

Important Symptoms: None

Eye Contact: Flush eyes with water, blinking often for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

Skin Contact: Wash affected area with mild soap and water. Remove any contaminated clothing.

Inhalation: Remove to fresh air. If required, give artificial respiration. Seek medical advice.

Ingestion: Give one to two glasses of water and induce vomiting. Never induce vomiting or give anything by mouth to an unconscious person.

Section 5: FIRE FIGHTING MEASURES

Suitable extinguishing Media: Use suitable extinguishing agent for surrounding material and type of fire.

Flammability: Non-Flammable

Special Fire Fighting Procedure: Use full-face, self contained breathing apparatus with full protective clothing to prevent contact with skin and eyes. See section 10 for decomposition products.

Section 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear appropriate respiratory and protective equipment specified in special protection information. Isolate spill area and provide ventilation. Vacuum up spill using a high efficiency particulate absolute (HEPA) air filter and place in a closed container for disposal. Take care not to raise dust.

Environmental Precautions: Isolate runoff to prevent environmental pollution.

Section 7: HANDLING AND STORAGE

Handling Precautions for safe handling: Wash thoroughly after handling.

CALCIUM FLUORIDE
SAFETY DATA SHEET

Conditions for safe storage, including any incompatibilities Store in a cool dry place in a tightly sealed container. Store apart from materials and conditions listed in Section 10.

Work/Hygienic Maintenance: Do not use tobacco or food in work area. Wash thoroughly before eating and smoking. Do not blow dust off clothing or skin with compressed air.

Ventilation: Provide sufficient ventilation to maintain concentration at or below TLV.

Section 8: EXPOSURE CONTROL/PERSONAL PROTECTION

Permissible Exposure Limits:	2.5 mg/m ³ as F (USA)
Threshold Limit Value:	0.5 mg/m ³ as F (USA)
Special Equipment:	None
Respiratory Protection:	Dust Respirator
Protective Gloves:	Rubber Gloves
Eye Protection:	Safety glasses or goggles,
Body Protection:	Protective work clothing. Wear close-toed shoes and long sleeves/pants.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

Form:	Powder, Granules, Pellets, Sputtering target, Custom parts
Color:	White
Odor:	Odorless
Water Solubility:	Soluble
Boiling Point:	-2500°C
Melting Point:	1403°C
Density:	3.18 g/cc
Molecular Weight:	78.08 g/mol

Section 10: STABILITY AND REACTIVITY

Reactivity:	Strong acids, Oxidizing agents, Water
Chemical Stability:	Stable under recommended storage conditions
Incompatible Conditions:	Moisture
Hazardous Decomposition Products:	Hydrogen fluoride, Calcium oxide

Section 11: TOXICOLOGICAL INFORMATION

Potential Health Effects:

Eyes: Causes serious irritation

Skin: Causes irritation

Ingestion: May cause irritation

Inhalation: May cause irritation

Chronic: N/A

Signs & Symptoms:

N/A

Aggravated Medical Conditions:

N/A

Median Lethal Dose:

4417 mg/kg for rat by mouth

Carcinogen:

ACGIH A4: Not classifiable as a human carcinogen: Inadequate data on which to classify the agent in terms of its carcinogenicity in humans and/or animals.

Section 12: ECOLOGICAL INFORMATION

Ecological data is not available

Section 13: DISPOSAL CONSIDERATIONS

Dispose of in accordance with local, state, national, and international regulations

Section 14: TRANSPORT INFORMATION

Hazardous: Not hazardous for transportation.

Hazard Class: N/A

Packing Group: N/A

UN Number: N/A

Proper Shipping Name: N/A

Section 15: REGULATORY INFORMATION

Sec 302 Extremely Hazardous: No

Sec 304 Reportable Quantities: N/A

Sec 313 Toxic Chemicals: No

Section 16: OTHER INFORMATION

This safety data sheet should be used in conjunction with technical sheets. It does not replace them. The information given is based on our knowledge of this product, at the time of publication. It is given in good faith. The attention of the user is drawn to the possible risks incurred by using the product for any other purpose other than that for which it was intended. This does not in any way excuse the user from knowing and applying all the regulations governing his activity. It is the sole responsibility of the user to take all precautions required in handling the product. The aim of the mandatory regulations mentioned is to help the user to fulfill his obligations regarding the use of hazardous products.