



**MATERIAL SAFETY DATA SHEET**  
COMPLIES WITH 29 CFR 1910.1200.  
OSHA HAZARD COMMUNICATION RULE

**DATE OF LAST REVISION: 03-05-04**

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## CHEMICAL IDENTITY

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LABEL IDENTITY	<b>CALCIUM FLUORIDE</b>
CHEMICAL NAME/SYNONYMS	<b>CALCIUM FLUORIDE</b>
FORMULA	<b>CaF<sub>2</sub></b>
CHEMICAL FAMILY	<b>METAL HALIDE</b>
CAS REGISTRY NUMBER	<b>7789-75-5, LISTED IN THE TSCA INVENTORY</b>
HAZARDOUS INGREDIENTS	<b>CALCIUM FLUORIDE</b>
%: <b>100</b>	TLV: <b>2.5mg/m<sup>3</sup></b> OSHA/PEL: <b>NO DATA</b>
	(as F)

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## PHYSICAL AND CHEMICAL PROPERTIES

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COLOR, FORM AND ODOR	<b>White powder or pieces, no odor</b>
BOILING POINT	<b>2500 C</b>
DENSITY (gm/cc)	<b>ND</b>
VAPOR PRESSURE @ 20°	<b>NA</b>
% VOLATILE BY VOLUME (%)	<b>NA</b>
REACTION WITH WATER	<b>NA</b>
EVAPORATION RATE (H <sub>2</sub> O=1)	<b>NA</b>
SOLUBILITY IN WATER	<b>Insoluble</b>
MELTING POINT	<b>1423 to 1360 C</b>

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## FIRE AND EXPLOSION HAZARD DATA

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FLASH POINT	<b>NA</b>
AUTOIGNITION TEMPERATURE (° C)	<b>NA</b>
FLAMMABILITY	<b>Non-flammable</b>
EXTINGUISHING MEDIA	<b>NA</b>
SPECIAL FIRE FIGHTING PROCEDURES	<b>None</b>
UNUSUAL FIRE & EXPLOSION HAZARDS	<b>None</b>





## CALCIUM FLUORIDE MATERIAL SAFETY DATA SHEET

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### SAFE HANDLING AND USE

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STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

**Wear appropriate respiratory and protective equipment specified in section VIII-control measures. 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 proper disposal. Take care not to raise dust.**

WASTE DISPOSAL METHOD:

**Dispose of in accordance with local, state and federal regulations.**

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### SPECIAL PROTECTIVE INFORMATION

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RESPIRATORY PROTECTION  
LOCAL EXHAUST

**NIOSH approved respirator  
Local exhaust ventilation may be necessary to control any qir contaminants to within their PEL's or TLV's during the use of this product.  
Good general ventilation is recommended.**

MECHANICAL (general)  
OTHER:

**Protective gear suitable to prevent contamination**

PROTECTIVE GLOVES  
EYE PROTECTION

**Rubber, butyl, neoprene gloves  
Safety glasses**

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### SPECIAL PRECAUTIONS

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PRECAUTIONS TO BE TAKEN IN HANDLING/STORAGE:

**Store in tightly sealed container in a cool and dry area. Wash hands thoroughly after handling.**

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THE ABOVE INFORMATION IS ACCURATE TO THE BEST OF OUR KNOWLEDGE. HOWEVER, SINCE DATA, SAFETY STANDARDS AND GOVERNMENT REGULATIONS ARE SUBJECT TO CHANGE THE CONDITIONS OF HANDLING AND USE, OR MISUSE ARE BEYOND OUR CONTROL, **ANGSTROM SCIENCES** MAKE NO WARRANTY, EITHER EXPRESSED OR IMPLIED, WITH RESPECT TO THE COMPLETENESS OR CONTINUING ACCURACY OF THE INFORMATION CONTAINED HEREIN AND DISCLAIMS ALL LIABILITY FOR THE RELIANCE THEREON. USER SHOULD SATISFY HIMSELF THAT HE HAS ALL CURRENT DATA RELEVANT TO HIS PARTICULAR USE.

NA= NOT APPLICABLE

ND= NO DATA FOUND