

Seaforth Mineral & Ore Co., Inc.

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FLUORSPAR Material Safety Data Sheet

SECTION I – CHEMICAL PRODUCT

Product Name: Fluorspar
Chemical Name/Synonyms: Calcium Fluoride
Chemical Formula: CaF₂
CAS Registry Number: #7789-75-5

NFPA Classification:

Health	0
Flammability	0
Reactivity	0

Distributed By:
SAL Chemical
3036 Birch Drive
Weirton, WV 26062
Phone: 304-748-8200
Fax: 304-797-8751

SECTION II – HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Components: Fluorspar or Calcium Fluoride
OSHA Permissible Exposure Limit (PEL): 15mg. per cubic feet
ACGIH Threshold Limit Value (TLV): 2.5mg/m³

OVERVIEW:

Commercially available Fluorspar also contains about 0.8 to 1.5% SiO₂ plus minor trace impurities. The product is minimally hazardous when its delivered state combined with about 10% maximum water as a filtercake. Dust hazards exist when the product is either dried intentionally or through prolonged open storage.

SECTION III – PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	N/A	Specific Gravity (H₂O = 1)	3.18
Vapor Pressure (mm Hg.)	None	Melting Point	2450
Vapor Density (AIR = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	N/A

Solubility in Water: 16 MG/L
Appearance and Odor: Mauve or Off-White, Odorless

SECTION IV – FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): N/A
LEL: N/A
Extinguishing Media: N/A
Unusual Fire and Explosion Hazards: N/A

Flammable Limits: N/A
LIEL: N/A
Special Fire Fighting Procedures: N/A

SECTION V – REACTIVITY DATA

Stability: Stable
Conditions to Avoid: Avoid presence of uncontrolled strong acid

Incompatibility (*Materials to Avoid*): Strong Acids

Hazardous Decomposition or Byproducts: No
Hazardous Polymerization: Will not occur
Conditions to Avoid: N/A

SECTION VI – HEALTH HAZARD DATA

Potential Health Effects: Overexposure when product is dry or dusty may result in eye, skin, or respiratory tract irritation.

Carcinogenicity:	NTP	RC Monographs	OSHA Regulated
	N/A	N/A	No

Signs and Symptoms of Exposure: Irritation to eyes, skin, or respiratory tract
Medical Conditions due to exposure: None known

Emergency/First Aid Procedures:

1. **Eye Contact** – Flush thoroughly with tepid water.
2. **Skin Contact** – Wash thoroughly with soap and water.
3. **Inhalation** – Remove to fresh air.
4. **Ingestion** – Give plenty of water.

SECTION VII – PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to Be Taken in Case Material is Released or Spilled: Sweep and scoop up and remove.
Waste Disposal Method: Restock or dispose of in a manner to avoid dusting. Should large volumes require disposal, check with waste disposal regulatory agencies.
Precautions to Be Taken in Handling and Storing: Avoid strong acids.
Other Precautions: If bulk material is to be handled, caution regarding dust hazard be employed.

SECTION VIII – PERTINENT INFORMATION

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