

MATERIAL SAFETY DATA SHEET

24 HR. EMERGENCY PHONE # CHEM-TREC 1-800-424-9300

Manufacturer: ProChem, Inc.
826 Roosevelt Road
Rockford, IL 61109

Phone: (815) 398-1788
Fax: (815) 398-1810
E-Mail: Prochem1@aol.com

SECTION 1 Product Identification

CHEMICAL NAME: Copper (II) fluoride, anhydrous
CAS #: 7789-19-7
FORMULA: CuF₂
SYNONYM: Cupric fluoride

SECTION 2 Composition and Information on Ingredients

INGREDIENT:	CAS #	%	ACGIH (TWA)	OSHA (PEL)
Title Compound	7789-19-7	100	2.5mg/m ³ (as F)	2.5mg/m ³ (as F)

SECTION 3 Hazards Identification

EMERGENCY OVERVIEW: : Material hydrolyzes in contact with moisture releasing toxic and corrosive hydrofluoric acid. Causes delayed, deep, slow healing, painful burns. Soluble iron is a poison by ingestion.

PRIMARY ROUTES OF EXPOSURE: Contact with skin and eyes. Inhalation of vapor.

EYE CONTACT: Causes serious eye damage. Effects may not immediately appear.

SKIN CONTACT: Prolonged contact with skin causes delayed deep slow healing painful burns.

INHALATION: Dust or hydrofluoric acid fumes will cause chemical burns to the respiratory tract.

INGESTION: If ingested, severe burns to the gastrointestinal tract may occur.

CHRONIC HEALTH EFFECTS: Prolonged exposure to hydrolysable fluorine compounds can cause deterioration of bone and tooth structure.

ACUTE HEALTH EFFECTS: Burns to eyes and skin. Dust: Difficulty in breathing, lung congestion, nausea, dizziness, breathlessness

SECTION 4 First Aid Measures

EYE EXPOSURE: Immediately flush the eyes with copious amounts of water for at least 15 minutes. Assure flushing under eyelids. A victim may need assistance in keeping their eyelids open. Get immediate competent medical attention.

SKIN EXPOSURE: Wash affected area with water. Remove contaminated clothes if necessary. Seek medical assistance if irritation persists.

INHALATION: Remove the victim to fresh air. Closely monitor the victim for signs of respiratory problems, such as difficulty in breathing, coughing, wheezing, or pain. In such cases seek immediate medical assistance.

INGESTION: Seek medical assistance immediately. Keep the victim calm. Give the victim water (only if conscious). Induce vomiting only if directed by medical personnel.

SECTION 5 Firefighting Measures

FLASH POINT: not applicable

AUTO IGNITION TEMPERATURE: none

EXPLOSION LIMITS: none

EXTINGUISHING MEDIUM: : None required. material is non-flammable

SPECIAL FIREFIGHTING PROCEDURES: If involved in a fire, fire fighters should be equipped with a NIOSH approved positive pressure self-contained breathing apparatus and full protective clothing.

HAZARDOUS COMBUSTION AND DECOMPOSITION PRODUCTS: If involved in a fire this material may emit corrosive fumes of hydrofluoric acid and fumes of copper oxides.

UNUSUAL FIRE OR EXPLOSION HAZARDS: No unusual fire or explosion hazards.

SECTION 6 Accidental Release Measures

SPILL AND LEAK PROCEDURES: Small spills should be covered with calcium carbonate or limestone, and swept up.

SECTION 7 Handling and Storage

HANDLING AND STORAGE: Store material in a tightly sealed container away from moisture.

SECTION 8 Exposure Controls and Personal Protection

EYE PROTECTION: Always wear approved safety glasses w/side shields, or safety goggles, face shield when handling a chemicals substance in the laboratory.

SKIN PROTECTION: Chemical-resistant.

VENTILATION: If possible, handle the material in an efficient fume hood.

RESPIRATOR: If in form of fine dust and ventilation is not available a respirator should be worn. The use of respirators requires a Respirator Protection Program to be in compliance with 29 CFR 19-10.134.

SECTION 9 Physical and Chemical Properties

COLOR AND FORM: off white powder

MOLECULAR WEIGHT: 101.54

MELTING POINT (DEG. C.): none

BOILING POINT: 950° dec.

VAPOR PRESSURE: not applicable

SPECIFIC GRAVITY: 4.23

SOLUBILITY IN WATER: 4.7g/100cc (0°)

SECTION 10 Stability and Reactivity

STABILITY: hygroscopic, air stable

HAZARDOUS POLYMERIZATION: no hazardous polymerization

CONDITIONS TO AVOID: Exposure to hot water

INCOMPATIBILITY: Hot water, mineral acids and active metals

DECOMPOSITION PRODUCTS: In hot water, hydrofluoric acid and cupric hydroxyfluoride.

SECTION 11 Toxicological Information

RTECS DATA: No information available in the RTECS files.

MUTAGENIC EFFECTS: no data

TETRATOGENIC EFFECTS: no data

CARCINOGENIC EFFECTS: no data

To the best of our knowledge the toxicological effects of this compound have not been fully investigated.

SECTION 12 Ecological Information

ECOLOGICAL INFORMATION: No information available

SECTION 13 Disposal Considerations

DISPOSAL: Dispose of in according to local state and federal regulations.

SECTION 14 Transportation Information

Corrosive solids, n.o.s., Class 8, UN 1759, PG III

SECTION 15 Regulatory Information

TSCA: Listed in the TSCA inventory

SARA (TITLE 313): Title compound : See category N100 for reporting.

SECTION 16 Other Information

DISCLAIMER: The information herein is believed to be accurate and reliable as of the date compiled. However, ProChem, Inc. makes no representation, warranty, or guarantee of any kind with respect to the information in this document or any use of the product based on the information.

DATE PREPARED: 2/06