

PRMI

MATERIAL SAFETY DATA SHEET

24 HR. EMERGENCY NO: CHEM-TREC 1-800-424-9300

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SECTION 1 Product Identification

CHEMICAL NAME: FLUOROACETYL CHLORIDE

CAS#: 359-06-8

FORMULA: FCH₂COCl

SECTION 2 Composition and Information on Ingredients

INGREDIENT:	CAS#	%	ACGIH (TWA)	OSHA (PEL)
Title Compound	359-06-8	100	Not determined	Not determined

SECTION 3 Hazards Identification

EMERGENCY OVERVIEW: CORROSIVE Harmful if inhaled. Harmful if swallowed. Causes severe burns to eyes. Causes burns to skin. Causes severe burns to digestive and respiratory system. MOISTURE REACTIVE. Forms HCl on contact with moisture.

PRIMARY ROUTES OF EXPOSURE: Ingestion, inhalation, skin, eyes.

EYE CONTACT: Causes severe irritation of the eyes and could cause permanent damage to cornea.

SKIN CONTACT: Causes burns to skin.

INHALATION: Causes severe burns to respiratory system.

INGESTION: Causes severe burns to digestive system.

ACUTE HEALTH EFFECTS: Causes severe burns to eyes; possibly permanent damage. Causes severe burns to respiratory and digestive system. Causes burns to skin.

CHRONIC HEALTH EFFECTS: No information available on long-term chronic effects.

SECTION 4 First Aid Measures

EYE EXPOSURE: Immediately flush the eyes with copious amounts of water (lukewarm if possible) 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 for at least 15 minutes. Remove contaminated clothes if necessary. Seek medical assistance if irritation, burns, or redness persists.

INHALATION: Remove 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. Give oxygen if deemed necessary. If not breathing administer CPR. Get emergency care immediately.

INGESTION: Seek medical assistance immediately. Keep the victim calm. **Do not induce vomiting.**

SECTION 5 Firefighting Measures

FLASH POINT: not applicable

AUTOIGNITION TEMPERATURE: no data

EXPLOSION LIMITS: no data

EXTINGUISHING MEDIUM: Use carbon dioxide, dry chemical extinguishing agents, sand or dry ground dolomite.

SPECIAL FIREFIGHTING PROCEDURES: If this product is involved in a fire, fire fighters should be equipped with a NIOSH approved positive pressure self-contained breathing apparatus and full protective clothing. Use water spray to cool fire-exposed containers and structures.

HAZARDOUS COMBUSTION AND DECOMPOSITION PRODUCTS: If involved in a fire this material may emit corrosive and toxic gases by thermal decomposition.

UNUSUAL FIRE OR EXPLOSION HAZARDS: None known

SECTION 6 Accidental Release Measures

SPILL AND LEAK PROCEDURES: Evacuate area. Isolate spillage. Use adequate protection when handling. Use self-contained breathing apparatus for large spills. Absorb spill with inert materials such as sand or dry vermiculite. Place in applicable chemical waste container. This material should be prevented from contaminating soil or from sewer and drainage systems and bodies of water.

DISPOSAL: Retain all contaminated solage for removal and treatment. Dispose of in accordance with all waste disposal regulations.

SECTION 7 Handling and Storage

HANDLING AND STORAGE: Store in a tightly sealed container. Keep under refrigeration. Corrosive liquid. Use only in a controlled environment. Moisture Reactive. Reacts with moisture to form HCl.

SECTION 8 Exposure Controls and Personal Protection

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

SKIN PROTECTION: Wear PVC, rubber, neoprene.

VENTILATION: If possible, handle the material under glove bag or box with dry inert atmosphere.

RESPIRATOR: If ventilation if not available, a high efficiency acid/mist respirator should be worn. The use of respirators requires a Respirator Protection Program to be in compliance with 29CFR 1910.34.

ADDITIONAL PROTECTION: Protection to avoid contact with clothing, shoes.(chemical-resistant lab apron, overalls, booties, sleevelets.)

SECTION 9

Physical and Chemical Properties

COLOR AND FORM: Clear liquid
MOLECULAR WEIGHT: No Data
MELTING POINT (DEG. C.): No Data
SPECIFIC GRAVITY (WATER = 1): No Data
BOILING POINT: 70-71 deg. C.
VAPOR PRESSURE: Not applicable
VAPOR DENSITY (AIR = 1): Not applicable
% VOLATILE BY VOLUME: Non volatile
SOLUBILITY IN WATER: Reacts

SECTION 10 Stability and Reactivity

STABILITY: Stable
HAZARDOUS POLYMERIZATION: Will not occur
CONDITIONS TO AVOID: Incompatibles
INCOMPATIBILITY: Moisture, oxidizing agents, strong bases, strong reducing agents, alcohols
DECOMPOSITION PRODUCTS: Fumes of corrosive and toxic fumes of HCl, CO, CO₂, HF

SECTION 11 Toxicological Information

CARCINOGENIC EFFECTS: No Data
MUTAGENIC EFFECTS: No Data
TETRATOGENIC 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 liquid, n.o.s. Class 8, UN17560, PG II IATA, ICAO and DOT Regulated

SECTION 15 Regulatory Information

TSCA: No Data

SARA (TITLE 313): None

RCRA STATUS: Meets criteria for corrosivity and should be managed as a hazardous waste (EPA No. D002).

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: 06/04

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