

SECTION 1: CHEMICAL PRODUCT and COMPANY IDENTIFICATION

Product Name: Acetyl fluoride 96%
Product Code: A08480
Supplier: Pfaltz & Bauer, Inc.
 172 E. Aurora Street
 Waterbury, CT 06708 USA
Phone: 203 574-0075
Fax: 203 574-3181
Emergency Phone: CHEMTREC, US: 1-800-424-9300
 CHEMTREC, International: 1-703-527-3887

SECTION 2: HAZARDS IDENTIFICATION

Statements of Hazard: Flammable liquid, Corrosive, Toxic, Lachrymator
Acute Health Hazard: Irritant to eyes, skin, mucous membranes and respiratory system. May be harmful by ingestion or skin absorption. Toxic by inhalation.
Chronic Health Hazard: Not Available
HMIS Rating: H:3 F:3 P:1
NFPA Rating: H:3 F:3 R:1

To the best of our knowledge, the toxicological properties of this chemical have not been thoroughly investigated. Use appropriate procedures and precautions to prevent or minimize exposure.



Pictogram:

Signal Word: Danger

Hazard Statement(s):
H224 Extremely flammable liquid and vapor.
H302 Harmful if swallowed.
H312 Harmful in contact with skin.
H314 Causes severe skin burns and eye damage.
H318 Causes serious eye damage.
H331 Toxic if inhaled.
H335 May cause respiratory irritation.

Precautionary Statement(s):

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P240 Ground/bond container and receiving equipment.
P260 Do not breathe dust/ fume/ gas/ mist/ vapors/ spray.
P264 Wash skin thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P303+P361+P353 IF ON SKIN (or hair): Remove/Take off Immediately all contaminated clothing. Rinse SKIN with water/shower.
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332+P313 If skin irritation occurs: Get medical advice/ attention.

Supplemental Statement(s):

EUH018 In use may form flammable/explosive vapor air-mixture.

SECTION 3: COMPOSITION/INFORMATION on INGREDIENTS

<u>Chemical Name:</u>	Acetyl fluoride
<u>Synonyms:</u>	Not Available
<u>CAS Number:</u>	557-99-3
<u>MDL Number:</u>	MFCD00000365
<u>EINECS Number:</u>	209-188-0
<u>Beilstein Registry Number:</u>	1733308
<u>Molecular Formula:</u>	C ₂ H ₃ OF
<u>Molecular Weight:</u>	62.07
<u>Content:</u>	96%
<u>Notes:</u>	Not Available

SECTION 4: FIRST AID MEASURES

<u>Eye Contact:</u>	Flush eyes with large amounts of water for fifteen minutes. Separate eyelids with fingers. If irritation persists, seek medical attention.
<u>Skin Contact:</u>	Wash skin with soap and water. If irritation persists, seek medical attention.

<u>Ingestion:</u>	Do not induce vomiting. Seek medical attention.
<u>Inhalation:</u>	Move to a fresh air environment. Contact a physician if breathing becomes difficult.

SECTION 5: FIRE FIGHTING MEASURES

<u>Flash Point:</u>	Not Available
<u>Explosion Limits:</u>	Lower: Not Available Upper: Not Available
<u>Auto Ignition Temperature:</u>	Not Available
<u>Extinguishing Media:</u>	Carbon dioxide, dry chemical powder, or alcohol-resistant foam.
<u>Protective Equipment:</u>	Wear self-contained respirator and fully protective impervious suit.
<u>Specific Hazards:</u>	May emit hazardous fumes under fire conditions.

SECTION 6: ACCIDENTAL RELEASE MEASURES

<u>Personal Protection:</u>	Wear a self-contained breathing apparatus, rubber boots and gloves, and disposable coveralls. Dispose of coveralls after use. Keep unprotected persons away.
<u>Environmental Protection:</u>	Keep spills out of sewers and bodies of water. Dike and contain the spill with inert material. Absorb on sand, vermiculite or diatomite. Transfer material to a container for disposal or recovery. Ventilate area and wash spill site after material pickup is complete.

SECTION 7: HANDLING and STORAGE

<u>Handling:</u>	Avoid breathing dust, vapor, mist or gas. Avoid contact with skin and eyes. Avoid prolonged or repeated exposure. Use only in a chemical fume hood. Open and handle container with care. Keep ignition sources away.
<u>Storage:</u>	Store in a tightly closed container in a dry, well-ventilated place.
<u>Sensitivities:</u>	Not Available
<u>Storage Temperature:</u>	2 – 8 °C

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

<u>Eyes:</u>	Wear appropriate protective eyeglass or chemical safety goggles. Make sure that there is an eyewash facility in your vicinity.			
<u>Skin:</u>	Wear impervious gloves and protective clothing.			
<u>Respiratory:</u>	Use a NIOSH approved respirator when exposure limits are exceeded or if irritation or other symptoms are experienced.			
<u>Exposure Limits:</u>	<u>Country</u>	<u>Source</u>	<u>Type</u>	<u>Value</u>
	USA	ACGIH	TWA	2.5 mg/m ³
	USA	OSHA	STEL	Not Available
	USA	OSHA	PEL	2.5 mg/m ³

SECTION 9: PHYSICAL and CHEMICAL PROPERTIES

<u>Appearance:</u>	Low boiling liquid
<u>Odor:</u>	Acrid odor
<u>Melting Point:</u>	-84 °C
<u>Boiling Point:</u>	20 – 21 °C
<u>pH Value:</u>	Not Available
<u>Density:</u>	Not Available
<u>Refractive Index, n²⁰_D:</u>	Not Available
<u>Viscosity:</u>	Not Available
<u>Solubility in Water:</u>	Soluble, reacts slowly to form HF and acetic acid
<u>Vapor Pressure:</u>	Not Available
<u>Vapor Density(Air=1):</u>	Not Available

SECTION 10: STABILITY and REACTIVITY

<u>Stability:</u>	Stable under normal temperatures and pressures.
<u>Incompatibility:</u>	Strong oxidizing agents, Heat, Ignition sources, Water
<u>Conditions to Avoid:</u>	Heat, Flame, Sparks, other ignition sources
<u>Hazardous Decomposition Products:</u>	Carbon oxides, Fluoride oxides

SECTION 11: TOXICOLOGICAL INFORMATION

<u>RTECS Reference:</u>	AP2800000
<u>Target Organs:</u>	Not Available
<u>Toxicity Data:</u>	Inhalation Mouse LC ₅₀ : 2,500 mg/m ³
<u>Skin corrosion/irritation:</u>	Not Available
<u>Serious eye damage/irritation:</u>	Not Available
<u>Carcinogenicity:</u>	Not Available

SECTION 12: ECOLOGICAL INFORMATION

<u>Toxicity:</u>	Not Available
<u>Persistence and degradability:</u>	Not Available
<u>Bioaccumulative potential:</u>	Not Available
<u>Mobility in soil:</u>	Not Available
<u>PBT and vPvB assessment:</u>	Not Available
<u>Other adverse effects:</u>	Not Available

SECTION 13: DISPOSAL CONSIDERATIONS

Contact a licensed professional waste disposal service. Dispose in a manner consistent with federal, state and local environmental regulations.

SECTION 14: TRANSPORT INFORMATION

DOT Shipping Name: Flammable Liquids, Toxic, Corrosive, N.O.S

DOT UN Number: UN3286

DOT Hazard Class: Class 3, 6.1, 8

DOT Packing Group: I

IMDG Shipping Name: Flammable Liquids, Toxic, Corrosive, N.O.S

IMDG UN Number: UN3286

IMDG Hazard Class: Class 3, 6.1, 8

IMDG Packing Group: I

IATA Shipping Name: Flammable Liquids, Toxic, Corrosive, N.O.S

IATA UN Number: UN3286

IATA Hazard Class: Class 3, 6.1, 8

IATA Packing Group: I

SECTION 15: REGULATORY INFORMATION

United States:

Toxic Substance Control Act (TSCA): Listed

Superfund Amendments and Reauthorization Act (SARA 302): Not listed

Superfund Amendments and Reauthorization Act (SARA 311/312): Not listed

Superfund Amendments and Reauthorization Act (SARA 313): Not listed

European Union:

European Inventory of Existing Chemical Substances (EINECS): No. 209-188-0

Hazard Codes: C,F

Risk Statements: 12,18,34

Safety Statements: 9,16,26-36/37/39-45

Canada

Canadian Domestic Substances List (DSL): Not listed

Canadian Domestic Substances List (NDSL): Listed

SECTION 16: OTHER INFORMATION

Date Prepared: 05/31/2013 MH

The information above is presented in good faith. It is believed to be accurate and represents the best information currently available to us. However we make no warranty with respect to such information and we assume no liability resulting from its use. The user should consider this information as a supplement to other information that may be available and make independent judgment to ensure proper use to protect the health and safety of employees and the environment. Pfaltz and Bauer shall not be held liable for any damage resulting from handling or from contact with the above product.