

# Halocarbon Products Corp

## Product Stewardship Summary: Ethyl Trifluoroacetate

*This Product Stewardship Summary is intended to provide a general overview of the chemical substance. The information on the Summary is basic information and is not intended to provide emergency response, medical, or treatment information. In-depth safety and health information can be found on the product's Safety Data Sheet (SDS).*

**Chemical Identity:** Ethyl Trifluoroacetate CAS# 383-63-1

**Other Names:** ETFA

**Product Overview:** ETFA is a compound with the formula  $\text{CF}_3\text{COOCH}_2\text{CH}_3$ . It is used as an intermediate in the synthesis of pharmaceutical and agricultural chemicals.

**Physical and Chemical Properties:** ETFA is a colorless liquid with a distinguishable sweet odor. ETFA becomes acidic upon contact with moisture but water solubility is negligible. It is classified as a flammable liquid and it could ignite by heat, spark or flame. The specific gravity is 1.19 and its boiling point is  $61^\circ\text{C}$ .

### Health Information:

**Acute:** ETFA primary route of entry is inhalation. Symptoms may include burning sensation, shortness of breath, headache, nausea and vomiting. It can burn skin and eyes.

**Chronic:** There are no known chronic effects of overexposure to this product.

### Environmental Information:

#### Environmental Fate Information:

Hydrolyzes in water to trifluoroacetic acid and ethyl alcohol.

#### Aquatic and/or Terrestrial Toxicity:

None known but it should not be released to waterways.

**Exposure Potential:**

**Workplace:** Flammable liquid and vapor. May cause burns to skin and eyes and is a respiratory irritant.

**Consumer:** Halocarbon Products Corp does not sell ETFA to the general public.

**Environmental Releases:** ETFA is a flammable liquid and vapor. Contact with skin may cause immediate burns. It hydrolyzes in water to acid and alcohol. Prevent runoff from entering waterways.

**Risk Management:**

**Workplace:** Ground/bond equipment and transfers. Use explosion-proof equipment and non-sparking tools. Wear personal protective equipment to protect eyes, face, and body. Avoid breathing vapors or wear appropriate organic vapor respirator.

**Environmental:** ETFA should never be released to the environment as it will hydrolyze with water to acid and alcohol. Drinking water contamination should be avoided. Excess ETFA or waste should be disposed of as a hazardous waste.

**Product Stewardship Programs:** Halocarbon Products Corp. is proud to have been a pioneer in the field of halogenated hydrocarbons since its inception in 1950. Halocarbon Products Corp. established a Customer Survey and Support program several years ago and continues to offer support to its customers.

**Conclusion Statement:** Ethyl Trifluoroacetate ( ETFA) is a useful and critical pharmaceutical intermediate that can and is used safely in various industries.

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