

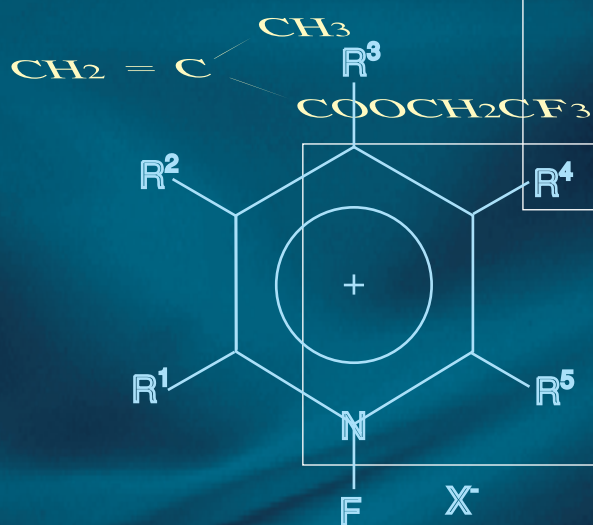
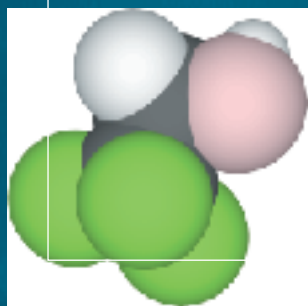


TOSOH

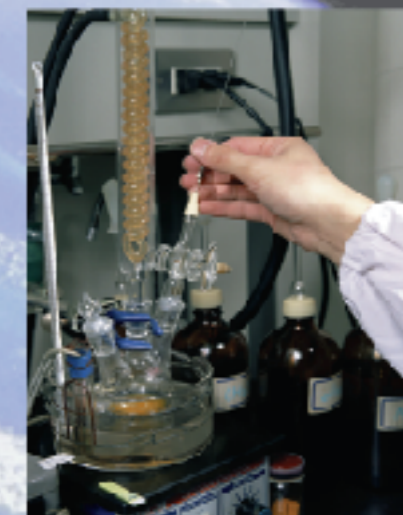
TOSOH F-TECH, INC.

COMPANY PROFILE

CF₃CH₂OH



We Strive To Achieve Technological Progress Through Environmentally Friendly Fluorochemistry.



Fluorochemicals Are Valuable And Versatile Tools In Organic Synthesis.

The unique properties of fluorochemicals such as thermal stability, low refractive index, chemical resistance, biological activity, and water and oil repellence make them ideal building blocks for a wide range of products.

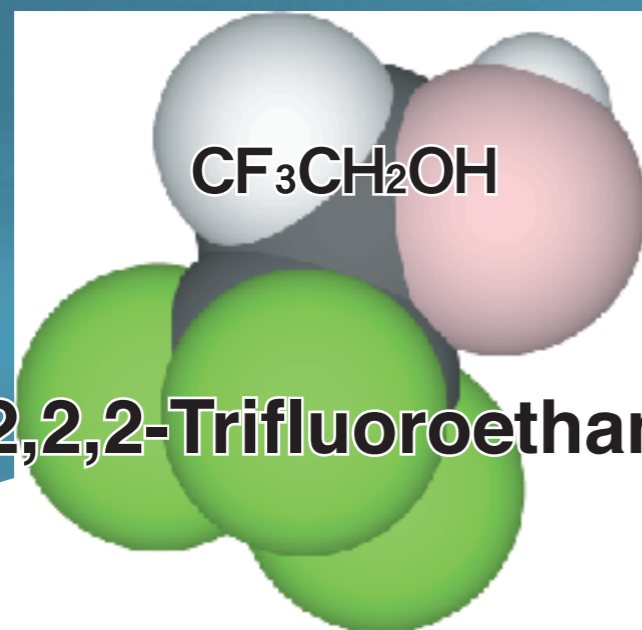
Applications include medical anesthetics, pharma products, agrochemicals, contact lenses, appliance and automotive coatings, water and oil repellents for textiles, unique elastomers, optical fibers, fire suppressants, functional fluids in heat recovery engines (Rankine Cycle), and automotive and residential air conditioning systems.

Our scientists are encouraged to pioneer ever more efficient methods of scale up and manufacture so that TOSOH F-TECH can support its customers with the highest quality products at the lowest possible cost. Thanks to the innovative efforts of our researchers in recent years, TOSOH F-TECH has made dramatic technological breakthroughs, including but not limited to a patented process for the production of 2,2,2-Trifluoroethanol, a unique continuous gas phase technology for Trifluoromethyl Iodide, and the commercialization of novel electrophilic fluorinating agents.



TOSOH F-TECH IS THE WORLD LARGEST SUPPLIER OF TRIFLUOROETHANOL

TFEA

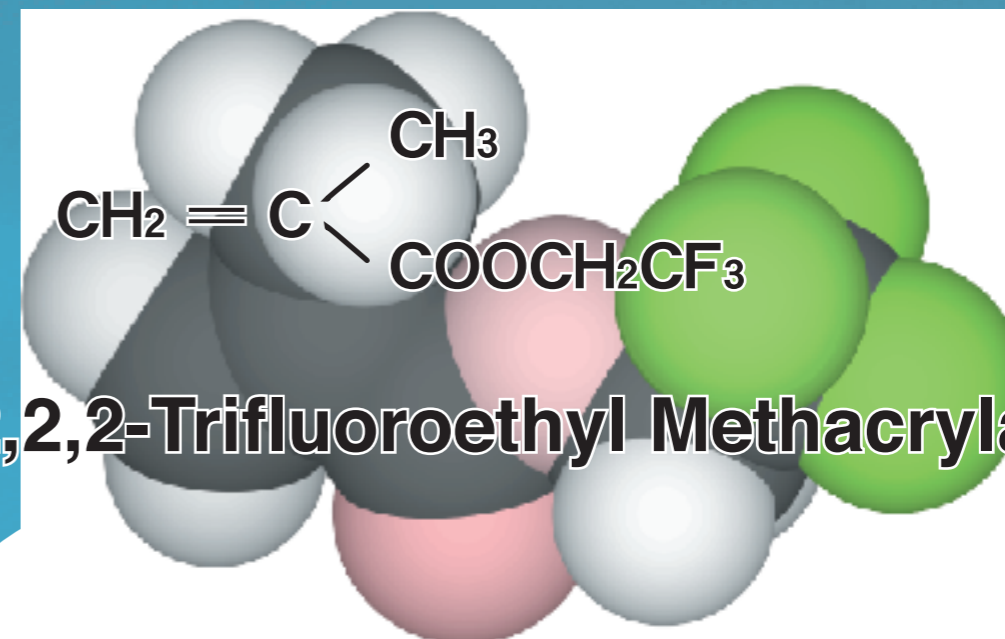


2,2,2-Trifluoroethanol

CAS.Reg.No : 75-89-8

EINECS : 2009136

FLUORESTER



2,2,2-Trifluoroethyl Methacrylate

CAS.Reg.No : 352-87-4

EINECS : 2065253

Reported Applications

- Medical Anesthetics (Isoflurane, Desflurane)
- Pharma and Agrochem Intermediates
- Absorption Heat Pump Fluid
- Solvent

Reported Applications

- Optical Fiber Coatings
- Contact Lens Monomer
- UV or Emulsion Paints Monomer
- Charge Control Coatings for Toners



2,2,2-Trifluoroethylchloride

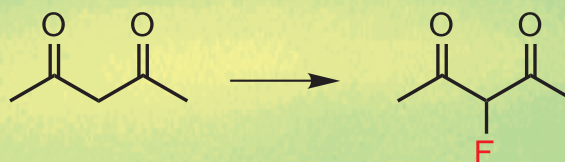
CAS.Reg.No : 75-88-7

Our Technology

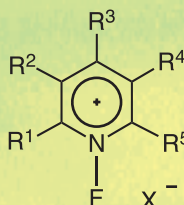
Gas Phase Fluorination



Direct Fluorination with F₂

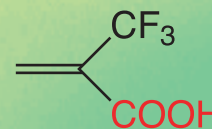
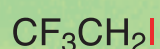


Electrophilic Fluorination (Fluorinating Agents)



Reactions of Fluorinated Organics

ex. Hydrolysis, Iodination, Halogen Exchange, Carbonylation



Custom Synthesis

A new multi-purpose plant is now available for custom production of fluorinated intermediates and functional materials in multi-ton quantities.

Markets Served

- Intermediates for Pharmaceuticals
- Intermediates for Agrochemicals
- Advanced Electronics Materials

Quality System

- ISO9002





TOSOH

TOSOH F-TECH, INC.

COMPANY PROFILE

Establishment

September 9, 1975

Capital

JPY400million

TOSOH CORPORATION 100%

Employees

Approx. 80

Main Products

2,2,2-Trifluoroethanol

2,2,2-Trifluoroethyl Methacrylate

5-Trifluoromethyluracil

1,6-Divinyl(perfluorohexane)

α -Trifluoromethylacrylic acid

Board of Directors

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Isao Miyanojara

Director

Kimio Katsuura

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