Chemtura

Fluorine Specialty Chemicals

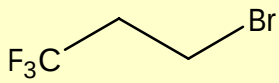
Technical Information

Bromotrifluoropropane (TFP Bromide)

Agro/Pharma Intermediate

TFP Bromide is a selectively fluorinated low molecular weight bromopropane that is used as an industrial chemical to produce final products with CF3 groups. Due to its molecular structure, TFP Bromide can be used as a unique synthetic intermediate for the production of pharmaceutical and agricultural substances.

Chemical Name: (3-bromo-1,1,1-trifluoropropane)
CAS Reg. Number: [460-32-2]



Typical Properties	
Appearance	Clear Liquid
Molecular Weight	177
Density @ 20 °C g/cm^3	1.633
Boiling Point °C	64
Moisture, PPM	100 max.
****Vapor Pressure***	
20 °C	3 psia
100 °C	45 psia

This product is packaged in various sizes of carbon steel cylinders.

Fluorinated intermediates, such as TFP Bromide, can be used to enhance the biological properties of a wide range of compounds by making it easy to add the properties of the C-F bond to a variety of biologically active molecules. Physical, chemical, and biological properties including surface energies, reactivity, polarity, and thermal stability can be greatly altered by the substitution of one or more fluorine atoms. Introduction of fluorine into a bioactive pharmaceutical or agricultural compound may improve lipophilicity, reduce toxicity, and increase efficacy.

The use of proper protective equipment is recommended. Excess exposure to the product should be avoided. Wash thoroughly after handling. Store the product in a cool, dry, well-ventilated area away from incompatible materials.

This product is not approved by U.S. regulatory agencies for commercial use. However, it can be used for research and development purposes. For additional handling and toxicological information, please consult the company's Material Safety Data Sheet or the regulatory department of Great Lake Chemical Corporation

*calculated value

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