



Technical Information

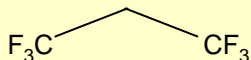
Heptafluoropropane (HP HFC-227ea)

Medical Propellant

High-purity HFC-227ea is an inert fluorochemical with very low toxicity for life science applications. HFC-227 is approved by the U.S. FDA as a propellant for metered dose inhalers. Compatible with a wide range of medications, HFC-227 is a replacement for ozone-depleting CFC and HCFC propellants.

Chemical Name: (Heptafluoropropane)

CAS Reg. Number: [43-18-90]



Typical Properties

Appearance	Liquefied Pressurized Gas
Molecular Weight	170
Density @ 20 °C g/cm ³	1.46
Boiling Point °C	-16.4
Moisture, PPM	10 max.

Vapor Pressure

20 °C	58.8 psia
100 °C	192.9 psia

This product is packaged in various sizes of carbon steel pressurized ISO containers or cylinders.

The vapor pressure, density, and solubility of high-purity HFC-227 are ideal properties for the proper delivery of medicine to the lungs of individuals with asthma and chronic pulmonary diseases. HFC-227 has been adopted by many of the largest pharmaceutical companies as part of their change-over to CFC-free metered dose inhalers. HFC-227 is manufactured in accordance with cGMP for active pharmaceutical ingredients.

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 approved by U.S., Australia, Philippines, EU and Japanese regulatory agencies for its production and use as an industrial intermediate. For additional handling and toxicological information, please consult the company's Material Safety Data Sheet or the regulatory department of Great Lake Chemical Corporation

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