

DuPont™ Dymel®

pharmaceutical propellants

Dymel® 236fa

Description

Dymel® 236fa (HFA-236fa) is a low pressure, nonflammable, non-ozone-depleting fluorocarbon propellant intended as an alternative to CFCs. Chemically, it is 1,1,1,3,3,3 hexafluoropropane. Dymel® 236fa represents an expansion of DuPont's pharmaceutical aerosol propellants line, which also includes Dymel® 134a/P and Dymel® 227ea/P pharmaceutical propellants.

Applications

Dymel® 236fa can be safely used in dermal and topical treatments or other medical products designed for external use. The Dymel® 236fa chemical properties and allowable exposure limits are shown in **Table 1**. Please refer to the Material Safety Data Sheet for additional information.

Availability

Dymel® 236fa is produced under ISO certification and is available in cylinders, ton tanks, ISO containers, and tank trailers for rapid distribution.

Table 1
Physical Properties

Property	Dymel® 236fa
Formula	CF ₃ CH ₂ CF ₃
Boiling Point, °C (°F)	-1.4 (29.4)
Vapor Pressure at 25°C (77°F)	272.4 kPa (39.5 psia)
Liquid Density at 25°C (77°F)	1.36 g/cm ³ (84.9 lb/ft ³)
Ozone Depletion Potential	None
Global Warming Potential (100-year time horizon)	6,300
Approximate Lethal Concentration (4-hr - Rat)	>189,000 ppm
Allowable Exposure Limit (8-hr & 12-hr TWA)	1000 ppm (v/v)



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