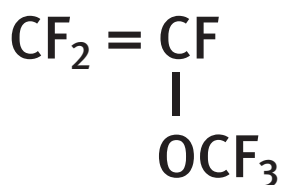


DuPont FluoroIntermediates

PMVE Perfluoromethylvinyl Ether $\text{CF}_3\text{-O-CF=CF}_2$



Description and Uses

PMVE is used in the manufacture of fluoropolymers and in other specialty agrochemical and pharmaceutical applications.

Product Data

Chemical name	Ethene, Trifluoro (Trifluoromethoxy)
CAS number	1187-93-5
EINECS number	214-703-7
Molecular Weight	166.02 g/mol
Boiling Point at 1 atm	-23°C (-9°F)
Critical Temperature	95°C (203°F)
Autoignition Temperature	191°C (375.8°F)
Shipping UN number	UN3153
Vapor Pressure, 20°C	484 kPa (70.3 psia)
Liquid Density, 20°C	1430 kg/m ³ (89.3 lb/ft ³)
Flammability Limits	7.5–50 vol%
Toxicity, AEL 8 and 12 hr TWA*	100 vol, ppm
Organic Purity – PMVE	98.5 wt% min
Hydro-PMVE	0.5 wt% max
HFP, C ₃ 's	1.0 wt% max

*AEL is the DuPont Acceptable Exposure Limit. Where governmentally imposed occupational exposure limits which are lower than the AEL are in effect, such limits shall take precedence.



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For more information call (302) 774-1258

Toll Free: 1-800-207-0756

www.dupont.com/fluoroIntermediates

DuPont Fluoroproducts
P.O. Box 80713

Customer Information Center in Geneva: +41-22-717-5950

Fax Number: +41-22-717-5948

We support English, German, French, Italian and Spanish languages.

eu-info@dupont.com

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CAUTION: Do not use in medical applications involving permanent implantation in the human body or contact with internal body fluids or tissues. For other medical applications, see "DuPont Medical Caution Statement," H-50102.

