Demeon ReNu100

Green dimethyl ether

Demeon® ReNu100 propellant is versatile, chemically stable clear colorless, virtually odorless and water miscible eco-friendly propellant with lower carbon footprint for aerosol products. It is made from bio-based methanol using the ISCC Plus certification.

CAS number
115-10-6

Specifications

Color[1]	Colorless
Dimethyl ether	≥ 99.99 %
C1/C4 Alkanes and CO_2; a	≤ 100 ppm
Methanol, residual; b	≤ 10 ppm
Water, residual; c	≤ 50 ppm
Sum a + b + c	≤ 100 ppm

Characteristics

Auto Ignition Temperature, 235°C[2]	350 °C
Boiling point	-25 °C
Density, 20°C	0.669 g/ml
Flash point	-41 °C
Heat of combustion	26.5 kJ/g
Lower explosion limit	3.0 vol %
Upper explosion limit	26.2 vol %
Lower oxygen content	9.3 vol %
Minimum ignition energy	0.29 mJ
Odor	Typical
Pressure, 20 °C	4.1 bar(g)
Stoichiometric composition	6.5 vol %

Nouryon