

## Forane® FBA 1233zD Blowing Agent

trans-1-chloro-3,3,3-trifluoropropene (CHCl=CH-CF<sub>3</sub> (E))

A non-flammable liquid and low global warming potential (GWP) blowing agent for many PUR and PIR applications, including appliance, pour-in-place, panel, XPS, and spray foams. Listed under U.S. EPA's SNAP. Arkema has granted patents on 1233zd use in foam applications throughout the world.



### SPECIFICATIONS

trans-1-chloro-3,3,3-trifluoropropene (wt%)	≥ 99.0
Color	Clear, water, white
Water (ppm)	≤ 450
Acidity (ppm by wt as HCl)	≤ 1.0

### PROPERTIES

Appearance	Clear, colorless liquid and vapor
Odor	Slight or None
Molecular Weight (g/mol)	130.5
Boiling Point under 760 mmHg (°C/°F)	18.6/65.5
Flash Point (°C/°F)	None
Flammable Limits (LFL, UFL), vol. %	None
Vapor Thermal Conductivity (mW/m.K) at 20°C	9.94

### TEMPERATURE

Temperature (°C)	10	20	30	40	50
Temperature (°F)	50	68	86	104	122
Vapor Pressure (bar)	0.73	1.08	1.55	2.16	2.94

**CAS No. 102687-65-0**

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