

Technical specification

Hexafluorobenzene

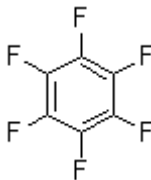
CAS-No: 392-56-3

UN No: 1993

Grade: Pure



Chemical formula: C₆F₆



Appearance:

Clear colorless to slightly yellow liquid

Application:

Intermediates for pharmaceutical and agriculture industries, non-conductor, solvent, special types of plastics and resins, etc.

Stability and reactivity:

In flame and in contact with hot surfaces may decompose to Carbon monoxide, carbon dioxide, hydrogen fluoride gas. The temperature limit of use – 420 °C

Composition:

Substance name	Content	
Hexafluorobenzene	99,5	%
Water, not more than	0,05	%
C ₆ HF ₅ , not more	0,2	%
Other fluorobenzenes, not more	0,02	%
Other organic compounds to be determined by Chromatography, not more than	0,3	%

Physical properties (reference data):

Molecular weight	186,056	g/mole
Density at 20 °C	1,612	kg/m ³
Freezing / Melting point	3,7 - 4,2	°C
Boiling point	80 - 81	°C
Refraction index	1,377	

Additional information (properties):

- Immiscible in water
- Soluble in ethanol