

Iodine Pentafluoride (IF₅)

IUPAC: Iodine Pentafluoride		CAS No.: 7783-66-6
Molecular formula: IF ₅		Molecular weight: 221.8965 g/mol
UNNo.: 2495	Packing Group: I	HazClass: 5.1(6.1,8)

Specifications

Content	Concentration or concentration range (mass fraction, %)
Iodine Pentafluoride	≧ 99.50
Free iodine	≧ 0.05
IF ₇ (%)	≧ 0.06
Fe (ppm)	—
Mn (ppm)	—
Ni (ppm)	—
Cr (ppm)	—
Heavy metal total (ppm)	≧ 50.00

Characteristic:

Colorless liquid or white solid, strong pungent odor, soluble in water and can be quickly hydrolyzed in water to generate hydrofluoric acid and iodic acid.

Applications:

An important raw material in the production of fluorine-containing surfactants and textile treatment agents which is oil-proof, anti-fouling and waterproof. It is widely used in the fields of electronics, medicine, fire protection and pesticides.

Packaging: Packed in 316L stainless steel cylinder containing 800KG iodine pentafluoride.

