

# Fluorocarbons and Sulphur hexafluoride

## HFCs

### Products and main applications

#### Major HFC molecules

Designation	Complete name	Formula	CAS number	Main applications
HFC-125	pentafluoroethane	$\text{CHF}_2\text{CF}_3$	354-33-6	- Blend component for <a href="#">Air conditioning</a> and <a href="#">Commercial Refrigeration</a> - <a href="#">Firefighting Agent</a>
HFC-134a	1,1,1,2-tetrafluoroethane	$\text{CH}_2\text{FCF}_3$	811-97-2	- Blend component for Mobile and Stationary <a href="#">Air conditioning</a> , and for <a href="#">Domestic Refrigerators/Freezers</a> - Propellant for <a href="#">Pharmaceutical Aerosols</a> and for <a href="#">Industrial Aerosols</a> - Blowing agent component for <a href="#">Extruded polystyrene foams (XPS)</a>
HFC-143a	1,1,1-trifluoroethane	$\text{CF}_3\text{CH}_3$	420-46-2	Blend component for <a href="#">Air conditioning Equipment</a> and <a href="#">Commercial Refrigeration</a>
HFC-152a	1,1-difluoroethane	$\text{CH}_3\text{CHF}_2$	75-37-6	- Propellant for specialised <a href="#">Industrial Aerosols</a> - Blowing agent component for <a href="#">Extruded polystyrene foams (XPS)</a>
HFC-227ea	1,1,1,2,3,3,3-heptafluoro- propane	$\text{CF}_3\text{CHFCF}_3$	431-89-0	- Propellant for <a href="#">Pharmaceutical Aerosols</a> - <a href="#">Firefighting Agent</a>
HFC-236fa	1,1,1,3,3,3-hexafluoropropane	$\text{CF}_3\text{CH}_2\text{CF}_3$	290-39-1	- <a href="#">Firefighting Agent</a>
HFC-245fa	1,1,1,3,3-pentafluoropropane	$\text{CF}_3\text{CH}_2\text{CHF}_2$	460-73-1	Foam Blowing agent for <a href="#">Polyurethane (PUR) foams</a>
HFC-365mfc	1,1,1,3,3-pentafluorobutane	$\text{CF}_3\text{CH}_2\text{CF}_2\text{CH}_3$	406-58-6	- Foam Blowing agent for <a href="#">Polyurethane (PUR) and phenolic foams</a> . - Blend component for <a href="#">Solvents</a>
HFC-43-10mee	1,1,1,2,2,3,4,5,5,5-decafluoropentane	$\text{CF}_3\text{CHF}_2\text{CHFCH}_2\text{FCF}_3$	138495-42-8	<a href="#">Solvent</a> for specialized applications
HFC-23	trifluoromethane	$\text{CHF}_3$	75-46-7	- By-product in production of HCFC-22 and aluminium smelting - Low Temperature <a href="#">Refrigerant</a>
HFC-32	difluoromethane	$\text{CH}_2\text{F}_2$	75-10-5	Blend component for <a href="#">Airconditioning equipment</a> and <a href="#">Commercial</a>