

PERFLUOROHEXANE (PFH)



Manufacturer:
"HaloPolymer Perm", OJSC
QMS for production is certified: ISO 9001

CHEMICAL NAME: Perfluorohexane
SYNONYMS: Tetradecafluorohexane
CHEMICAL FORMULA: C₆F₁₄
CAS: 355-42-0

Transparent, colorless liquid. Not toxic, biologically and chemically inert substance. Not flammable and not explosive.



PHYSICAL-CHEMICAL PROPERTIES

PARAMETERS	UNITS	VALUE
Mass content of PFH (min)	%	98,5
Mass content of water (max)	%	0,01
Boiling point	°C	+57
Melting point	°C	-82
Density	g/cm ³	1,67
Surface tension	mN/m	11,3
Molecular weight	-	338,04
Refractive index	-	1,252
Hydrogen ion exponent of water extract (pH-value), within the limits	-	6-8



Main application:

Used in chemistry as solvent of fluoroorganic compounds. In electronics and electrotechnics is used as liquid dielectric or heat-transfer fluid. Can be used as hydraulic fluid in special equipment. It is also used in medicine for partial liquid ventilation.



Package:

Perfluorohexane is packed into plastic canisters with capacity of 5 dm³, plastic drums with capacity from 20 to 40 dm³. By agreement with customer, it is allowed to pack the product into other capacities.



Transportation and storage:

Perfluorohexane is transported by any kind of transport in covered vehicles at the temperature -20...+30 °C. Product must be stored in covered stock at the temperature -20...+30 °C. Guaranteed storage time is 1 year from the date of production.