

FLUOROCARBON

R14



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

Synonyms:	Tetrafluoromethane, Carbon tetrafluoride, Perfluoromethane, Tetrafluorocarbon, CFC 14, PFC 14, R 14, UN 1982
Chemical formula:	CF ₄
CAS Number:	75-73-0
EC Number:	200-896-5
Notification number:	0219708818-29-0000
HS code:	2903392800



R14 is a colorless, odorless, liquefied, nonflammable gas. Asphyxiant in high concentrations. Gas density is heavier than air.

PROPERTIES	UNITS	GUARANTEED VALUE	TEST METHODS
Volume content of tetrafluoromethane	%, min	99.2	Gas chromatography
Total volume content of low-boiling impurities (nitrogen, oxygen, carbon oxide)	%, max	0.7	Gas chromatography
Total volume content of high-boiling impurities (hexafluoroethane, carbon dioxide)	%, max	0.01	Gas chromatography
Mass content of water	%, max	0.001	Coulometry Titration
Acidity	-	Color of indicator must not change	Indication method

Note: Volume content of CF₄ 99.2% corresponds to mass content 99.7%



Main application:

R14 is used in the electronics industry for plasma degreasing of multilayer printed circuit boards.



Package:

R14 is packed in cylinders designed for minimum working overpressure of 14.7 MPa (150 kg/cm³). Maximum filling ratio is 0.72 kg per 1 dm³ of the capacity of the cylinder.



Safety and Handling:

- handle in well-ventilated areas;
 - eye and skin contact must be avoided;
 - smoking is prohibited;
 - store away from heat, keep in clean and dry area.
- Before using R14 please read the Material Safety Data Sheet carefully.



Guarantee storage life:

Guaranteed shelf life is unlimited.