

# FLUOROCARBON

## R318C



**Manufacturer:**  
"HaloPolymer Perm", OJSC

QMS for production is certified: ISO 9001:2015  
Certificate Registration No.: 12 100 55860 TMS

**Synonyms:** Perfluorocyclobutane, octafluorocyclobutane  
**Chemical formula:** C<sub>4</sub>F<sub>8</sub>  
**CAS number:** 115-25-3  
**REACH pre-registration:** 05-2119708815-35-000  
**EC number:** 204-075-2  
**CLP notification:** 02-2119708815-35-0000  
**HS code:** 2903899000



R318C is a colorless gas, liquefied under pressure. Gas density is heavier than air.  
R318C is non-inflammable, low toxic, non-explosive. ODP = 0

PROPERTIES	UNITS	GUARANTEED VALUE	
		Highest grade	First grade
<b>Volume content of octafluorocyclobutane</b>	%, min	99.99	99.8
<b>Total volume content of impurities</b>	%, max	0.01	0.2
<b>Mass content of water</b>	%, max	0.001	0.01
<b>Acidity</b>	-	Color of indicator must not change	



### Main applications:

- in electronics as an etching agent;
- as a fire extinguishing agent;
- in air-conditioners, heat pumps and energy units;
- as a raw material for the synthesis of fluororganic compounds.



### Package:

R318C can be packed in cylinders designed for minimum working overpressure of 9.8 or 14.7 MPa (depending on the capacity of a cylinder) and can be packed in containers designed for minimum working excess pressure of 2.0 MPa. Maximum filling ratio is 1.2 kg per 1 dm<sup>3</sup> of the capacity of the vessel.



### 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 R318C please read the Material Safety Data Sheet carefully.



### Guarantee storage life:

2 years from the date of manufacture.