

# FLUOROCARBON R218 OCTAFLUOROPROPANE



**Manufacturer:**

**“HaloPolymer Kirovo-Chepetsk”, LLC**

QMS for production is certified: ISO 9001:2015

Certificate Registration No.:

101386/A/0002/UK/RUS URS

<b>Synonyms:</b>	Perfluoropropane; R-218
<b>Chemical formula:</b>	$C_3F_8$
<b>CAS number:</b>	76-19-7
<b>EC number:</b>	200-941-9
<b>HS code:</b>	2903392045



Colorless, nonflammable, chemically inert gas. Stable under normal conditions. ODP = 0. Boiling point is  $37 \pm 0.5$  °C. Critical temperature is  $71.9 \pm 0.2$  °C.

PARAMETER	UNIT	Grade A	Grade B
Volume fraction of Octafluoropropane	%, min	99.96	99.0
Volume fraction of chromatographically determined impurities	%, max	0.04	1.0
Mass content of moisture	%, max	0.001	0.002
Mass content of acidity as per HF	%, max	0.0001	0.0001
Mass content of non-volatile residue	%, max	0.002	0.002

*For detailed specification please contact the Commercial Department.*



**Main applications:**

The product is used as a working body for plasma chemical etching of semi-conducting materials, and as a component of refrigerant compositions.



**Package:**

R-218 can be packed in cylinders with the capacity from 5 to 50 dm<sup>3</sup>, from 80 to 100 dm<sup>3</sup>, designed for working overpressure at least 1.6 MPa. It is possible to fill the product into customer's packing ensuring safety while transporting and storing the product.

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## Transportation

The product shall be transported in covered trucks (containers), tanks and tanks resistant to the transported product by railway, motor, marine transport in accordance with the dangerous goods regulations valid for this type of transport.



## Safety and Handling:

The product shall be stored in sealed stainless steel containers. Keep the material away from heat, sparks, flame and other heat and ignition sources. Containers should not be stored in conditions likely to encourage corrosion. The storage facility shall be dry, cool, well-ventilated. Keep away from combustible material. The recommended storage temperature is 25°C.

Stored containers should be periodically checked for general conditions and leakage. Container valve guards or caps should be in place.

**Before using the product please read the Material Safety Data Sheet carefully.**



## Guarantee storage life:

Guaranteed shelf life is 12 months from the date of manufacture.