POLYFLUORINATED TELOMERIC ALCOHOLS





CHEMICAL FORMULA: $H(CF_2CF_2)_nCH_2OH(n=1-5)$

CHEMICAL NAME	NO. CAS	APPEARANCE	
1H,1H,3H-Tetrafluoropropan-1-ol	76-37-9	Transparent yellowish liquid	
1H,1H,5H-Octafluoropentan-1-ol	355-80-6	Transparent yellowish liquid	
1H,1H,7H-Dodecafluoroheptan-1-ol	335-99-9	Transparent yellowish liquid	
1H,1H,9H-Hexadecafluorononan-1-ol	376-18-1	White amorphous substance	
1H,1H,11H-Eicosafluoroundecan-1-ol	307-70-0	White amorphous substance	



Main application:

Used as raw material for manufacturing of wide range of fluorinated products such as: flotation reagents, surfactants, firefighting agents, fluids for submersible pumps, etc. The end products are used like solvents in process of production of electronic devises.

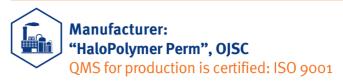


PHYSICAL-CHEMICAL PROPERTIES

PARAMETERS	n1	n2	n3	n4	n5	
Mass content of base substance, % (min)	99,5	99,5	95,0	90,0	65,0	
Molecular weight	132,06	232,07	330,09	432,10	532,13	
Density, g/cm ³	1,45	1,67	1,75	-	-	
Boiling point, °C	109	141	170	202	230	
Melting point, °C	-	-65	-14	69	102	
Solubility in water, g / 900g H2O	25,8	2,2	0,07	-	-	
Solubility in organic solvents	Soluble in alcohols, ether, acetone, benzene and etc.					
Viscosity at 20°C, cP	5,8	10,8	51,3	-	-	
Refractive index	1,3210	1,3178	1,3180	-	-	
Flash point, °C	43	83	84	112	-	
Temperature of autoignition, °C	437	478	401	359	336	

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Package:

Telomeric alcohols n1, n2, n3 are packed into plastic drums with a capacity of 50 dm³, or into plastic bottles with a capacity of no more than 10 dm³. By agreement with customer it is allowed to pack the product into glass bottles with a capacity of no more than 10 dm³. Telomeric alcohols n4, n5 are packed into double plastic sacks, embedded into paper sacks.



Transportation and storage:

The product is transported by any kind of transport in covered vehicles. Product must be stored in a covered stock, at the temperature not below -25 °C, on distance at least 1 meter from heat devices. Guaranteed storage time 1 year from the date of production.