

TELOMERIC ALCOHOLS

(α , α , ω – Trihydroperfluoro alcohols)

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

Type	Chemical name	No. CAS	Appearance
n1	1H,1H,3H-Tetrafluoropropan-1-ol	76-37-9	Transparent yellowish liquid
n2	1H,1H,5H-Octafluoropentan-1-ol	355-80-6	Transparent yellowish liquid
n3	1H,1H,7H-Dodecafluoroheptan-1-ol	335-99-9	Transparent yellowish liquid
n4	1H,1H,9H-Hexadecafluorononan-1-ol	376-18-1	White amorphous substance
n5	1H,1H,11H-Eicosafluoroundecan-1-ol	307-70-0	White amorphous substance

APPLICATIONS:

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

PHYSICAL-CHEMICAL PROPERTIES

No.	Parameters	n1	n2	n3	n4	n5
1	Mass content of base substance, % (min)	99,5	99,5	95,0	90,0	65,0
2	Molecular weight	132,06	232,07	330,09	432,10	532,13
3	Density, g/cm ³	1,45	1,67	1,75	-	-
4	Boiling point, °C	109	141	170	202	230
5	Melting point, °C	-	-65	-14	69	102
6	Solubility in water, g / 900g H ₂ O	25,8	2,2	0,07	-	-
7	Solubility in organic solvents	Soluble in alcohols, ether, acetone, benzene and etc.				
9	Viscosity at 20°C, cP	5,8	10,8	51,3	-	-
10	Refractive index	1,3210	1,3178	1,3180	-	-
11	Flash point, °C	43	83	84	112	-
12	Temperature of autoignition, °C	437	478	401	359	336

PACKAGING:

Telomeric alcohols **n1**, **n2**, **n3** - pack into plastic drums with capacity 50 dm³, or into plastic bottles with capacity not more 10 dm³. By agreement with customer, allowed to pack product into glass bottles with capacity not more 10 dm³. Telomeric alcohols **n4**, **n5** - pack 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 covered stock, at temperature not below -25 °C, on distance at least 1 meter from heat devices. Guaranteed storage time - 1 year from date of production.

For additional information please contact with Commercial Department:
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