

🕒 List of Organic peroxides as Radical polymerization 🕒

Chemical Name Trade Name	Physical Form	Purity (%)	(Theoretical AOC) Act'O(%)	Package Volume of Content	Storage Temp. (°C)	UN Number	Cas No.	Half-life(°C)		
								1min	1Hr	10Hr
Peroxyketals										
2,2-Bis(t-butylperoxy)butane Perhexa 22	Liquid(Hydrocarbon solution)	50	(13.66) 6.83	16 kg (16×1)	Below 30	3103	2167-23-9	159.9	121.7	103.1
1,1-Bis(t-butylperoxy cyclohexane) PERHEXA C(S) PERHEXA C(EB)	Liquid(Hydrocarbon solution) Liquid(Aromatic hydrocarbon solution)	79 70	(12.29) 9.71 8.60	17 kg (17×1) 17 kg (17×1)	Below 30	3103	3006-86-8	153.8	111.1	90.7
n-Butyl 4,4-bis(t-butylperoxy) valerate PERHEXA V	Liquid(Technica pure)	90	(9.57) 8.61	16 kg (16×1)	Below 30	3103	995-33-5	172.5	126.5	104.5
2,2-Bis(4,4-Di-t-butylperoxy cyclohexyl) propane PERTETRA A	Liquid(Aromatic hydrocarbon solution)	20	(11.41) 2.28	16 kg (16×1)	Below 30	3107	1705-60-8	153.8	114.0	94.7
Hydroperoxides										
t-Butyl hydroperoxide PERBUTYL H-69	Liquid(Water solution)	69	(17.25) 12.25	190 kg (Drum)	Below 30	3109	75-91-2	260.7	196.3	166.5
Cumene hydroperoxide PERCUMYL H-80	Liquide(Aromatic solution)	80	(10.51) 8.41	200 kg (Drum)	Below 30	3109	80-15-9	254.0	188.2	157.9
Diisopropylbenzene hydroperoxide PERCUMYL P	Liquid(Aromatic hydrocarbon solution)	50	(8.24) 4.12	190 kg (Drum)	Below 30	3109	26762-93-6	232.5	172.8	145.1
p-Menthane hydroperoxide PERMENTHA H	Liquid(Hydrocarbon solution)	50	(9.29) 4.65	190 kg (Drum)	Below 30	3109	26762-92-5	199.5	151.1	128.0
1,1,3,3-Tetramethylbutyl hydroperoxide PEROCTA H	Liquid(Technical pure)	90	(10.94) 9.85	17 kg (17×1)	Below 10	3105	5809-08-5	246.6	182.4	152.9
Dialkylperoxides										
t-Butyl cumyl peroxide PERBUTYL C	Liquid(Technical pure)	90	(7.68) 6.91	16 kg(16×1)	Below 30	3105	30580-75-7	173.3	137.3	119.5
Di-t-Butyl peroxide PERBUTYL D	Liquid(Technical pure)	98	(10.94) 10.72	15 kg (15×1)	Below 30	3107	110-05-4	185.9	144.1	123.7
Diacylperoxides										
Isobutyryl peroxide PEROYL IB	Liquid(Hydrocarbon solution)	25	(9.18) 2.30	16 kg(16×1)	Below -23	3115	3437-84-1	85.1	49.7	32.7
Lauroyl peroxide PEROYL L PERPYL LO	Flake(Technical pure) Paste(Plasticizer)	98 50	(4.01) 3.93 2.01	40 kg (5×8) 15 kg(15×1)	Below 30 Below 20	3106 3106	105-74-8 105-74-8	116.4	79.5	61.6

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Succinic peroxide PEROYL SA	Powder(Water-damped)	80	(6.83) 5.46	-	Below -5	3102	123-23-9	131.8	87.0	65.9
3,5,5-Trimethylhexanoyl peroxide CHEMEX TMH75(T)	Liquid(Aromatic hydrocarbon solution)	75	(5.09) 3.82	10 kg (10×1)	Below -15	3115	3851-87-4	112.6	76.8	59.4
Peroxydicarbonate										
Di-2-ethoxyethyl peroxy dicarbonate PEROYL EEP	Liquid(Aromatic hydrocarbon solution)	50	(6.01) 3.01	10 kg (10×1)	Below -15	3115	52373-74-7	92.0	59.1	43.1
Diisopropyl peroxy dicarbonate CHEMEX IPC27(CR)	Liquid(Monomer solution)	27	(7.76) 2.10	10 kg (10×1)	Below -20	3115	105-64-6	88.3	56.2	40.5
Di-2-ethylhexyl peroxy dicarbonate CHEMEX 2EHPC	Liquid(Hydrocarbon solution)	70	(4.62) 3.23	10 kg (10×1)	Below -15	3115	16111-62-9	90.6	59.1	43.6
Di-methoxybutyl peroxy dicarbonate PEROYL MBP	Liquid(Aromatic hydrocarbon solution)	50	(5.44) 2.72	18 kg(18×1)	Below -10	3115	52238-68-3	101.6	63.9	45.8
Peroxyester										
t-Butyl peroxyacetate CHEMEX A50(IP)	Liquid(Hydrocarbon solution)	50	(12.11) 6.06	10 kg (10×1)	Below 30	3103	107-71-1	159.9	120.9	101.9
t-Butyl peroxy 2-ethylhexyl monocarbonate CHEMEX EC	Liquid(Technical pure)	95	(6.49) 6.17	18 kg (18×1)	Below 30	3105	34443-12-4	161.4	119.3	99.0
t-Butyl peroxy isopropyl monocarbonate CHEMEX BPC75(IP)	Liquid(Hydrocarbon solution)	75	(9.08) 6.81	15 kg (15×1)	Below 30	3103	2372-21-6	158.8	118.4	98.7
t-Butyl peroxy maleic acid CHEMEX BMA	Paste	25	(8.50) 2.13	50 kg (50×1)	Below 30	3102	1931-62-0	167.5	119.0	96.1
t-Butyl peroxy isobutyrate PERBUTYL IB	Liquid(Hydrocarbon solution)	74	(9.99) 7.39	16 kg (16×1)	Below 0	3111	109-13-7	136.1	96.4	77.3
t-Butyl peroxy neodecanoate CHEMEX BND70(IP)	Liquid(Hydrocarbon solution)	70	(6.55) 4.59	10 kg (10×1)	Below -15	3115	26748-41-4	103.5	64.8	46.4
CHEMEX BND75(IP)	Liquid(Hydrocarbon solution)	75	4.91							
CHEMEX BND(TP)	Liquid(Technical pure)	90	5.90							
t-Butyl peroxy 2-ethylhexanoate CHEMEX BO	Liquid(Technical pure)	97	(7.40) 7.18	10 kg (10×1)	Below 0	3113	3006-82-4	134.0	92.1	72.1
CHEMEX BO50(D)	Liquid(Plasticizer solution)	50	3.70	10 kg (10×1)	Below 20	3117				

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t-Butyl peroxy pivalate CHEMEX BPV70(IP) CHEMEX BPV75(IP)	Liquid(Hydrocarbon solution) Liquid(Hydrocarbon solution)	70 75	(9.18) 6.43 6.89	10 kg (10×1) 10 kg (10×1)	Below -15 Below -15	3113	927-07-1	110.3	72.7	54.6
t-Butyl peroxybenzoate CHEMEX BZ	Liquid(Technical pure)	98	(8.24) 8.08	12 kg (12×1)	Below 30	3103	614-45-9	166.8	124.7	104.3
t-Butyl peroxy 3,5,5-trimethyl hexanoate CHEMEX IN	Liquid(Technical pure)	97	(6.95) 6.74	16 kg (16×1)	Below 30	3105	13122-18-4	166.0	119.3	97.1
α,α'-Bis(neodecanoyl peroxy)diisopropyl benzene PERCUMYL BF	Liquid(Hydrocarbon solution)	50	(5.98) 2.99	16 kg (16×1)	Below -15	3115	117663-11-3	92.2	54.1	35.9
Cumyl peroxyneodecanoate CHEMEX CND70(IP)	Liquid(Hydrocarbon solution)	70	(5.22) 3.65	10 kg (10×1)	Below -15	3115	26748-47-0	94.0	55.0	36.5
2,5-Dimethyl-2,5-bis(m-toluoylperoxy)hexane PERHEXA 250	Liquid(Hydrocarbon solution)	50	(7.43) 3.72	16 kg (16×1)	Below 0	3115	13052-09-0	118.8	83.4	66.2
2,5-Dimethyl-2,5-bis(m-toluoylperoxy)hexane PERHEXA 25Z	Powder(Technical pure)	90	(8.28) 7.45	40 kg (5×8)	Below 30	3102	2618-77-1	158.2	118.8	99.7
t-Hexyl peroxy neodecanoate PERHEXYL ND	Liquid(Hydrocarbon solution)	70	(5.87) 4.11	16 kg (16×1)	Below -15	3115	62178-88-5	100.9	62.8	44.5
t-Hexyl peroxy pivalate PERHEXYL PV	Liquid(Hydrocarbon solution)	70	(7.91) 5.54	16 kg (16×1)	Below -10	3115	51938-28-4	109.1	71.3	53.2
1,1,3,3-tetramethylbutyl peroxy neodecanoate CHEMEX OND	Liquid(Hydrocarbon solution)	70	(5.32) 3.72	10 kg (10×1)	Below -15	3115	51240-95-0	92.4	57.5	40.7
1,1,3,3-tetramethylbutyl peroxy 2-ethylhexanoate CHEMEX TMPO	Liquid(Hydrocarbon solution)	70	(5.87) 4.11	10 kg (10×1)	Below -15	3115	22288-43-3	124.3	84.4	65.3
t-amyl peroxy pivalate CHEMEX APV	Liquid(Hydrocarbon solution)	70	(8.50) 6.37	10 kg (10×1)	Below -15	3113	29240-17-3	91.0	72.0	55.0
t-amyl peroxy 2-ethylhexanoate CHEMEX AO	Liquid(Technical pure)	95	(6.95) 6.60	10 kg (10×1)	Below -10	3115	686-31-7	111.0	91.0	73.0
t-amyl peroxy 2-ethylhexyl monocarbonate CHEMEX AEC	Liquid(Technical pure)	94	(6.14) 5.78	10 kg (10×1)	Below 30	3105	70833-40-8	134.0	113.0	95.0
t-amyl peroxy neodecanoate CHEMEX AND	Liquid(Hydrocarbon solution)	70	(6.19) 4.33	10 kg (10×1)	Below -15	3115	68299-16-1	99.0	64.0	46.0

[Contact Us]

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