



Organic Peroxides Product Guide

Acrylics
 Vinyl Ester Resins and Polyester Resins, Room Temp. Cure
 Vinyl Ester Resins and Polyester Resins, High Temp. Cure
 Curing Elastomers
 Polymer Modification, Crosslinking
 Polymerization: Bulk, Solution, Suspension

Trade Name (Formerly Trade Name)	Chemical Name (CAS Number)	10h T1/2, °C/°F	Concentration and Form	%Active Oxygen						Table Notes
DIACYL PEROXIDES										
PEROXAN BP-25 WD (BZW 75)	Dibenzoyl peroxide (94-36-0)	71/160	75% water wet solid	5.0	✓				✓	✓
PEROXAN NPO (USP-355M)	Di-(3,5,5-trimethylhexanoyl) peroxide (3851-87-4)	59/138	75% solution in OMS	3.8	✓				✓	6, 5
DIALKYL PEROXIDES										
PEROXAN DA (DITAP)	Di-t amyl peroxide (10508-09-5)	108/226	93% min. liquid	8.5	✓	✓	✓	✓		✓
PEROXAN DB (DTBP)	Di-t butyl peroxide (110-05-4)	121/250	99% liquid	10.8	✓	✓	✓	✓		✓
PEROXAN DC (Esperal 115RG)	Dicumyl peroxide (80-43-3)	112/234	99% granules	5.9	✓	✓	✓	✓		✓
HYDROPEROXIDES										
PEROXAN CU-90 (CHP-158)	Cumene hydroperoxide (80-15-9)	140/284	90% solution in cumene	9.2	✓				✓	✓
PEROXAN CU-50 (CHP-5)	Cumene hydroperoxide (80-15-9)	140/284	50% solution in cumene	5.1	✓				✓	
PEROXAN OHP (DIBHP)	1,1,3,3-tetramethylbutyl hydroperoxide (5809-08-5)	153/307	85% solution	9.3	✓					5
PEROXAN AHP (TAHP-80)	t-Amyl hydroperoxide (3425-61-4)	165/329	80% solution in TAA/water	12.3	✓					✓ 3
PEROXAN BHP-70 (USP-800)	t-Butyl hydroperoxide (75-91-2)	164/327	70% solution in water	12.4	✓					
MONOPEROXYCARBONATES										
PEROXAN BEC (Esperox C-496)	t-Butyl peroxy-2-ethylhexyl carbonate (34443-12-4)	98/208	95% min. liquid	6.3	✓		✓	✓		✓
PEROXAN AEC (Esperox C-59)	t-Amyl peroxy-2-ethylhexyl carbonate (70833-40-8)	95/203	95% min. liquid	5.8	✓		✓	✓		✓
PEROXYDICARBONATES										
PEROXAN BCC (Espercarb 1043)	Di-(4-t-butyl cyclohexyl)-peroxydicarbonate (15520-11-3)	48/118	95% min. granular solid	3.7	✓			✓		6
PEROXAN BPC (Espercarb S438)	Di-(sec-butyl) peroxydicarbonate (19910-65-7)	40/104	98% min. liquid	6.7	✓					6, 5
PEROXAN BPC-75 (Espercarb S438M)	Di-(sec-butyl) peroxydicarbonate 75% (19910-65-7)	40/104	75% solution in OMS	5.1	✓					6, 5

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PEROXAN BPC-60 (Espercarb S438M-60)	Di-(sec-butyl) peroxydicarbonate 60% (19910-65-7)	40/104	60% solution in OMS	4.1	✓				6, 5
PEROXAN EPC (Espercarb S840)	Di-(2-ethylhexyl) peroxydicarbonate 60% (16111-62-9)	47/117	98% min. liquid	4.5	✓				6
PEROXAN EPC-75 (Espercarb S840M)	Di-(2-ethylhexyl) peroxydicarbonate 75% (16111-62-9)	47/117	75% solution in OMS	3.5	✓				6
PEROXYESTERS									
PEROXAN PB (Esperox 10)	t-Butyl peroxybenzoate 98% (614-45-9)	103/217	98% min. liquid	8.1	✓	✓	✓	✓	
PEROXAN PA-75 (Esperox 12M)	t-Butyl peroxyacetate 75% (107-71-1)	100/212	75% solution in OMS	9.1	✓			✓	5
PEROXAN PA-60 (Esperox 12M-60)	t-Butyl peroxyacetate 60% (107-71-1)	100/212	60% solution in OMS	7.3	✓			✓	5
PEROXAN PA-50 (Esperox 12MD)	t-Butyl peroxyacetate 50% (107-71-1)	100/212	50% solution in OMS	6.1	✓			✓	
PEROXAN PO (Esperox 28)	t-Butyl peroxy-2-ethylhexanoate 98% (3006-82-4)	72/162	98% min. liquid	7.2	✓		✓	✓	6
PEROXAN PO-50 (Esperox 28MD)	t-Butyl peroxy-2-ethylhexanoate 50% (3006-82-4)	72/162	50% solution in OMS	3.7	✓		✓	✓	6
PEROXAN PPV (Esperox 31M)	t-Butyl peroxy-pivalate 75% (927-07-1)	57/135	75% solution in OMS	6.8	✓			✓	6
PEROXAN PND (Esperox 33)	t-Butyl peroxyneodecanoate 95% (26748-41-4)	46/115	95% min. liquid	6.2	✓			✓	6
PEROXAN PND-75 (Esperox 33M)	t-Butyl peroxyneodecanoate 75% (26748-41-4)	46/115	75% solution in OMS	4.9	✓			✓	6
PEROXAN PIN (Esperox 401)	t-Butyl peroxy-3,5,5-trimethylhexanoate 98% (13122-18-4)	94/201	97% min. liquid	6.7	✓		✓	✓	
PEROXAN PM25 (Esperox 41-25)	t-Butyl monoperoxy-maleate (1931-62-0)	87/189	25% paste	2.2	✓		✓	✓	
PEROXAN APB (Esperox 5100)	t-Amyl peroxybenzoate (4511-39-1)	100/212	95% min. liquid	7.3	✓		✓	✓	
PEROXAN APA-60 (Esperox 52M-60)	t-Amyl peroxyacetate 60% (690-83-5)	100/212	60% solution in OMS	6.6	✓		✓	✓	4
PEROXAN APN (Esperox 545M)	t-Amyl peroxyneodecanoate 75% (68299-16-1)	43/109	75% solution in OMS	4.6	✓			✓	6
PEROXAN APV (Esperox 551M)	t-Amyl peroxy-pivalate 75% (29240-17-3)	55/131	75% solution in OMS	6.4	✓			✓	6
PEROXAN APO (Esperox 570)	t-Amyl peroxy-2-ethylhexanoate 95% (686-31-7)	73/163	95% min. liquid	6.6	✓		✓	✓	6

Table Notes

The products are arranged by chemical family.

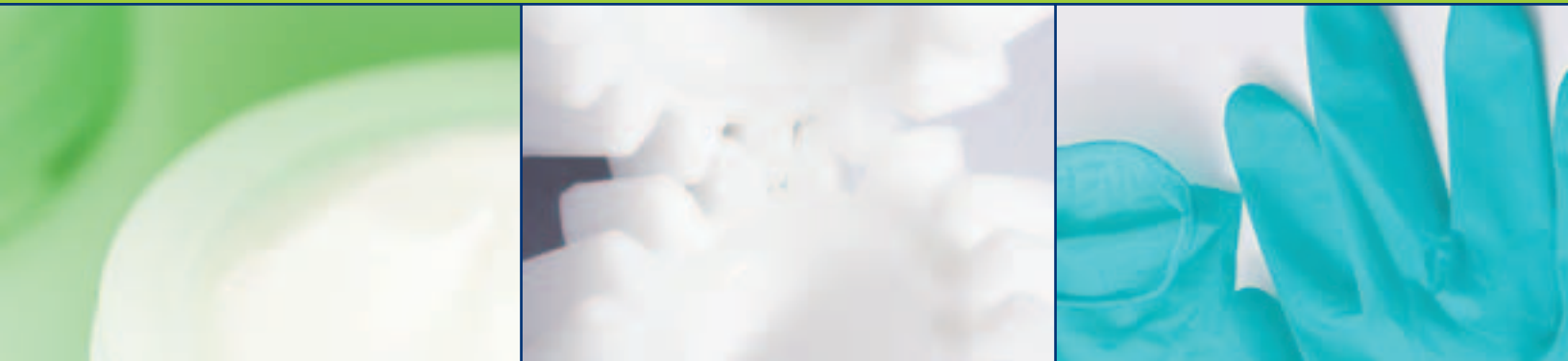
- 1 BBP = Butyl Benzyl Phtalate
- 2 MO = (white) Mineral Oil
- 3 TAA = Tertiary Amyl Alcohol
- 4 Developmental
- 5 Not stocked, special order

6 Temperature control is required for both transport and storage. Check MSDS for control temperatures required for transport listed as well as those for storage.

na not applicable
 (the peroxide is activated chemically, rather than thermally).

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PEROXAN APO-75 (Esperox 570M)	t-Amyl peroxy-2-ethylhexanoate 75% (686-31-7)	73/163	75% solution in OMS	5.2	✓				✓ 6
PEROXAN PNH (Esperox 750M)	t-Butyl peroxyneohexanoate 75% (26748-38-9)	49/120	75% solution in OMS	5.9	✓				✓ 6
PEROXAN CND (Esperox 939M)	Cumyl peroxyneodecanoate 75% (26748-47-0)	38/100	75% solution in OMS	3.9	✓				6
PEROXYKETALS									
PEROXAN PK133 (USP 333)	Ethyl-3,3-di(t-butylperoxy) butyrate (55794-20-2)	114/237	98% min. liquid	10.7	✓	✓		✓	✓ 4
PEROXAN PK133-75 (USP 333M)	Ethyl-3,3-di(t-butylperoxy) butyrate 75% (55794-20-2)	114/237	75% solution in OMS	8.2	✓	✓		✓	✓ 4
PEROXAN PK122-V80 (USP 400M)	1,1-Di-(t-butylperoxy) cyclohexane 80% (3006-86-8)	94/201	80% solution in OMS	9.8	✓	✓		✓	✓
PEROXAN PK122-B80 (USP 400P)	1,1-Di-(t-butylperoxy) cyclohexane 80% (3006-86-8)	94/201	80% solution in BBP	9.8	✓	✓		✓	✓
PEROXAN PK122-P80 (USP 400PX)	1,1-Di-(t-butylperoxy) cyclohexane 80% (3006-86-8)	94/201	80% solution in plasticiser	9.8	✓	✓		✓	✓
PEROXAN PK295 (USP 495)	1,1-Di-(t-butylperoxy)-3,3,5-trimethylcyclohexane 95% (6731-36-8)	85/185	94% min. liquid	9.9	✓	✓	✓	✓	✓
PEROXAN PK295 V-75 (USP 495M)	1,1-Di-(t-butylperoxy)-3,3,5-trimethylcyclohexane 75% (6731-36-8)	85/185	75% solution in OMS	7.9	✓	✓		✓	✓
PEROXAN PK122 W (USP 400MO-50)	1,1-Di-(t-butylperoxy) cyclohexane 50% (3006-86-8)	94/201	50% solution in MO	6.1	✓	✓		✓	✓ 2
PEROXAN APK122 (USP 90MD)	1,1-Di-(t-amylperoxy) cyclohexane 80% (15667-10-4)	90/194	80% solution in OMS	8.9	✓	✓		✓	✓ 5
PEROXAN APK122 P-80 (USP 90PX)	1,1-Di-(t-amylperoxy) cyclohexane 80% (15667-10-4)	90/194	80% solution in plasticiser	8.9	✓	✓		✓	✓ 5
KETONE PEROXIDES									
Hi-Point 90	Methyl Ethyl Peroxides (MEKP)	na	Solution in plasticisers	9.0					✓
Hi-Point 90 Blue	Methyl Ethyl Peroxides (MEKP)	na	Pigmented solution	9.0					✓
Hi-Point 90 Red	Methyl Ethyl Peroxides (MEKP)	na	Pigmented solution	9.0					✓
Hi-Point PD-1	Methyl Ethyl Peroxides (MEKP)	na	Solution in plasticisers	5.3					✓
Quickset Super	Methyl Ethyl Peroxides (MEKP)	na	Solution in plasticisers	9.0					✓
Sprayset MEKP	Methyl Ethyl Peroxides (MEKP) (1338-23-4)	na	Solution in ethyl acetate	5.3					✓
Quickset Extra	MEKP and Diacetone alcohol peroxide (1338-23-4 and 54693-46-8)	na	Solution in plasticisers	9.0					✓
USP 240	2,4-Pentanedione peroxide (37187-22-7)	na	Fire resistant solution	4.0					✓



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