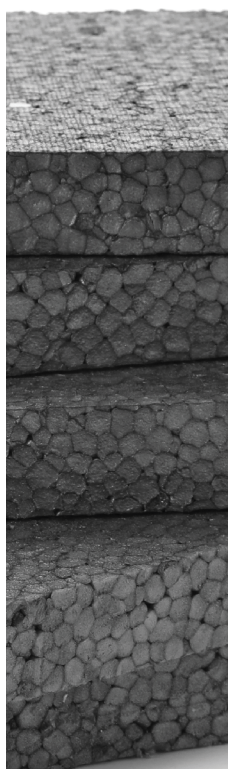


AKPA

**ORGANIC PEROXIDES, INITIATORS
PAINT DRIERS**

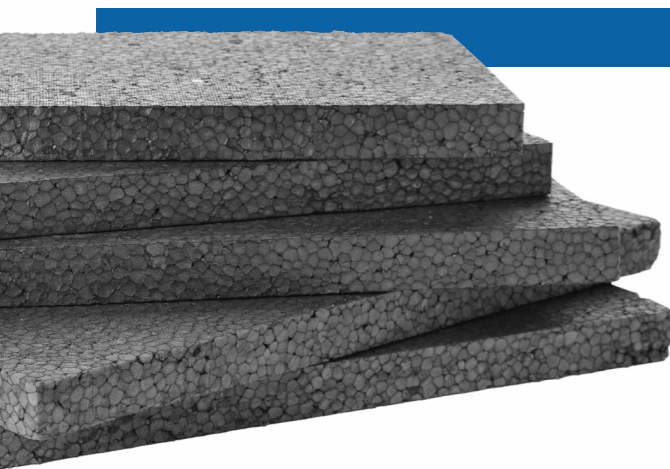
ORGANIC PEROXIDES





AKPA is a global chemical company, and Türkiye's leading chemicals producer is building the future of the chemical industry every day. Deploying a responsible, innovation-based approach, we produce state-of-the-art specialty chemicals that provide customers with practical solutions. AKPA holds leadership positions in the market with a portfolio of internationally recognized brands with one's operations in more than 75 countries, hundreds of employees, and we have the last technological research center. Environment and humans are our inspiration.

AKPA was established in 1997 and specialized in the production of Organic Peroxides, Polymerization Initiators, Accelerators, and Paint Driers. As AKPA, we have our headquarters in İstanbul, Türkiye, and we are carrying out our production operations in our factory located in Tekirdağ. 38.000 m² is closed and 70.000 m² of open field. AKPA was founded on the built up a wealth of expertise, long-term customer partnerships, and earned a place among the leading companies in our industry in terms of financial performance, safety, sustainability, and reliability. AKPA products play an essential role in everyday life for people around the globe. We supply essential chemicals to industries worldwide for the manufacture of products such as paper, plastics, building materials, food, pharmaceuticals, and personal care items.



AKPA has offices and warehouses in central locations in Europe, Asia, and the USA. We have a global investment activity and distribution network products and services are delivered just in time for each country. AKPA's production satisfies our customer's needs by providing them our high-quality products and "tailor-made" products upon customers' special requests.

High-quality products, a dynamic sales team, on-time deliveries, and competitive prices have been AKPA's distinctive advantages. As a gateway to the global world, we would continue to invest in the best people, manufacturing standards, innovation, and distribution channels to always provide you the superior quality.

Research & Development

We have high-technological equipment, know-how, and the best solutions our customers need in our research-development (R&D) and product development (P&D) laboratory. AKPA sets of know-how enable us to offer tailored solutions and unique innovations to the customers in many sectors such as electronics, decorative, industrial paint, construction, aviation, and automotive. Our R&D teams carefully watch market trends and keep on working at putting in place pioneering and sustainable answers. AKPA is involved in many scientific and industrial partnerships, and networks on collaborative projects. Universities and the confederation industry actively work to enrich AKPA R&D with their expertise. We focus on R&D studies with our expert team to meet the satisfaction and needs of our business partners perfectly. We are continuing to make the lives of our users easier with the new products we develop. Attaching importance to human health with our user-friendly Phthalate-free products, AKPA continues its works in this field.



AKPA has driven by technological know-how and an innovative spirit. Our research enables us to create new materials, develop promising solutions, and help shaping a sustainable future. We have significant investments in this field; to leave a cleaner environment for the future, we have started to work on the project of using solar and wind energy, which is the cleanest renewable energy source on earth, in our production. We cooperate with many relevant institutions to combat erosion and afforestation and protect natural assets.

We are working for a sustainable future.

We are supporting youth in the fields of science and technology. With our AKPA Sailing team, we encourage our employees to participate in the sport of sailing and carry out main sponsorship activities in the field of sailing to raise a sailor generation. We cooperate with various universities on production and environmental issues and publish scientific articles. We are working on customer, human and environmental needs with the aim of providing high quality service and always going further to bring an innovative understanding to the sector.



Safety

AKPA Organic Peroxide has ISO 14001, ISO 45001 and ISO 9001 management systems certificates. We have been manufacturing our products according to mentioned standards. This guide is also prepared by safety and logistic professionals working for AKPA company.

The substance of this guideline aids secure approaching and carrying operations of Organic Peroxides in road and sea transport. The specified policies and materials, augmenting to the legal fundamentals, perform the typical methods of the mentors of this model.



Packaging

We offer various packaging options for liquid, powder, and paste forms of AKPA products. AKPA products are packaged as per the appropriate sizes that are regulated by the United Nations based on the hazard classification of the chemical products.

- Packages have "UN Certificates".
- Depending on the product type, we can provide "ventilated caps".
- "Jerry taps" can be provided if desired.
- We either use certificated "fumigated wooden pallets" or plastic pallets.

Table 1. Standard packages for Organic Peroxides and Accelerators.*

Tubes (for paste products)	15-25-30-40-50-60-75-80-100 gr
PE Pails (for liquid products)	5 (X 4 in carton box)-20-25-30-180-190-200 kg
Carton (for powder products)	20-25 kg
IBC	850-900 kg

Table 2. Standard packages for Polymerization Initiators.*

PE Pails (for liquid products)	5 (X 4 in carton box)-20-25-30 kg
Carton (for powder products)	20-25 kg
IBC	850-900 kg

Table 3. Standard packages for Paint Driers.

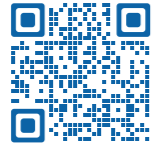
PE Pails	5 (X 4 in carton box)-25-50 kg
Metal Drum	160-180-190-200-225-250-275 kg
IBC	800-850-900-1000-1250 kg

*Packaging on request available.

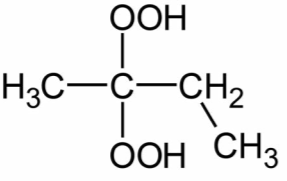
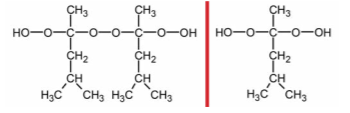
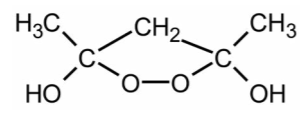
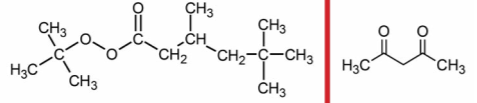
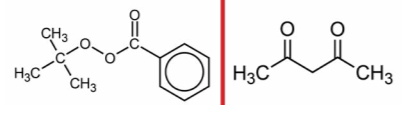
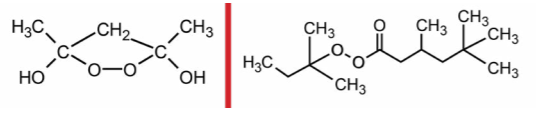
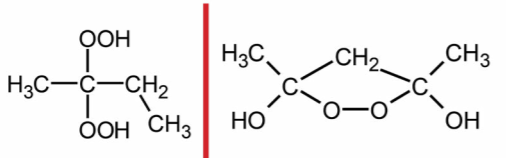
While AKPA offers a vast range of packaging, the company is also ready to offer different sizes depending on the customers' needs. To learn more about packaging options, visit our website www.akpakimya.com and review the TDS's of the relevant product.

Organic Peroxides

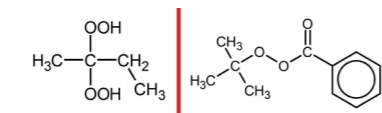
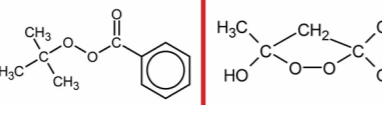
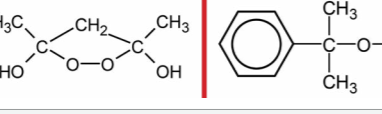
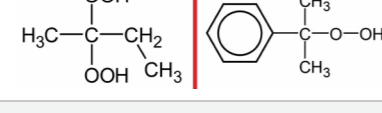
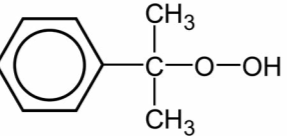
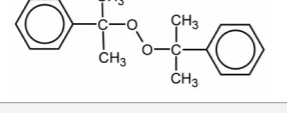
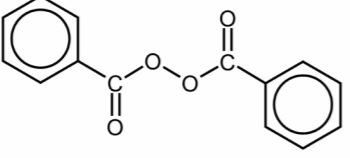
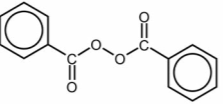
Organic Peroxides are chemicals which are accelerator or heat activated and regulate unsaturated polyester (UPS) and vinylester resins (VR) gel and curing. AKPA is one of the main global producers of organic peroxides and it has a production of organic peroxide for various materials.



ORGANIC PEROXIDES

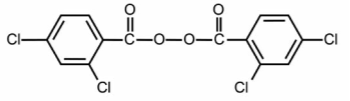
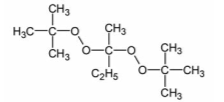
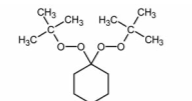
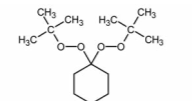
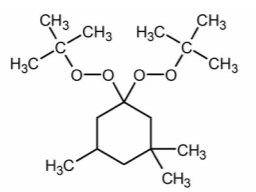
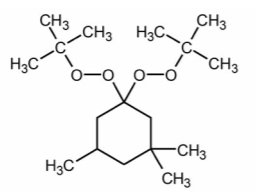
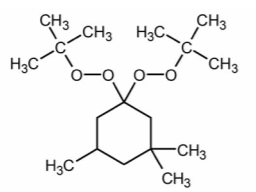
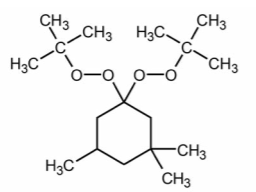
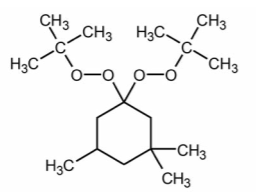
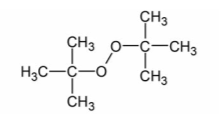
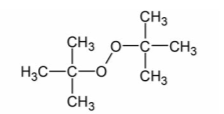
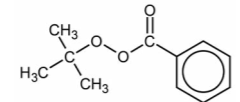
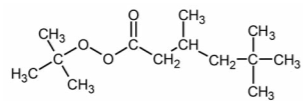
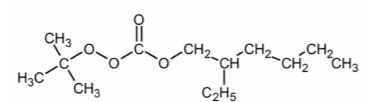
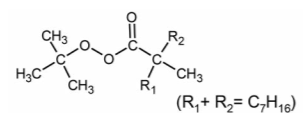
TYPE OF PEROXIDES PRODUCT NAME	CHEMICAL NAME	CAS NUMBER	UN No	EINECS/ELINCS No AO (%)	ASSAY (%)	SADT (°C)	DILUENT	PHYSICAL FORM	STORAGE TEMPERATURES	
									Ts max.(°C)	Ts min.(°C)
Ketone Peroxides	Methyl Ethyl Ketone Peroxide MEKP			700-954-4						
AKPEROX® A1		1338-23-4	3105	9,40 - 9,60	33 - 37	60	DMP	Colorless, Liquid	30	5
AKPEROX® A2		1338-23-4	3105	8,90 - 9,10	33 - 37	60	DMP	Colorless, Liquid	30	5
AKPEROX® A10		1338-23-4	3105	9,90 - 10,10	34 - 36	60	DMP	Colorless, Liquid	30	5
AKPEROX® A30		1338-23-4	3105	5,50 - 5,60	15 - 35	60	DMP	Colorless, Liquid	30	5
AKPEROX® A50		1338-23-4	3105	8,90 - 9,10	30 - 37	60	DMP	Colorless Liquid	30	5
AKPEROX® A60		1338-23-4	3105	9,90 - 10,10	34 - 36	60	DMP	Colorless, Liquid	30	5
AKPEROX® A50G		1338-23-4	3105	8,90 - 9,10	30 - 37	60	DMP	Colorless, Liquid	30	5
AKPEROX® A60G		1338-23-4	3105	9,90 - 10,10	34 - 36	60	DMP	Colorless, Liquid	30	5
AKPEROX® A5R		1338-23-4	3105	8,80 - 8,99	33 - 37	60	TXIB	Colorless, Liquid	30	5
AKPEROX® A6R		1338-23-4	3105	9,90 - 10,10	33 - 37	60	TXIB	Colorless, Liquid	30	5
AKPEROX® A9CL		1338-23-4	3105	8,80 - 9,00	34 - 36	65	TXIB, DMP	Colorless, Liquid	30	5
AKPEROX® A9H		1338-23-4	3105	8,90 - 9,10	34 - 36	60	TXIB, DMP	Colorless, Liquid	30	5
AKPEROX® A9LP		1338-23-4	3105	8,80 - 8,90	34 - 36	65	TXIB, DMP	Colorless, Liquid	30	5
AKPEROX® A50 PF (phthalate free)		1338-23-4	3105	8,90 - 9,10	34 - 36	60	Special Mineral Solvent	Colorless, Liquid	30	5
AKPEROX® A60 PF (phthalate free)	1338-23-4	3105	9,90 - 10,10	34 - 36	60	Special Mineral Solvent	Colorless, Liquid	30	5	
AKPEROX® LPT	1338-23-4	3105	8,40 - 8,60	34 - 36	60	DIBP	Clear, Liquid	25	5	
AKPEROX® LPT-N	1338-23-4	3105	8,40 - 8,60	34 - 36	60	DINP	Clear, Liquid	25	5	
Ketone Peroxides	Methyl Isobutyl Ketone Peroxide MIKP			942-932-9						
AKPEROX® MIKP		37206-20-5	3105	10,00 - 10,50	43 - 47	50	Isododecane	Colorless, Liquid	25	5
AKPEROX® MIKP-S		37206-20-5	3105	8,70 - 8,90	43 - 47	50	Isododecane	Clear, Liquid	25	5
Ketone Peroxides	Acetylacetone Peroxide AAP			237-438-9						
AKPEROX® AAP		13784-51-5	3105	4,00 - 4,20	33 - 35	60	Diacetone Alcohol	Colorless, Liquid	25	-10
Blend Type Peroxides	tert-Butyl Peroxy-3,5,5-Trimethylhexanoate and Acetylacetone			236-050-7						
AKPEROX® CS		13122-18-4	3105	6,07 - 6,32	87,5 - 91	55	Acetylacetone	Clear, Liquid	25	-20
Blend Type Peroxides	tert-Butyl Peroxybenzoate and Acetylacetone			210-382-2; 204-634-0						
AKPEROX® HC9		614-45-9; 123-54-6	3103	6,51 - 6,68	79 - 81	55	Acetylacetone	Clear, Liquid	30	5
AKPEROX® HC10		614-45-9; 123-54-6	3103	7,34 - 7,51	89 - 91	60	Acetylacetone	Clear, Liquid	30	5
AKPEROX® HC75		614-45-9; 123-54-6	3105	6,10 - 6,27	74 - 76	-	Acetylacetone	Clear, Liquid	30	5
Blend Type Peroxides	Acetylacetone Peroxide and T-Amyl-Peroxy-3,5,5-Trimethylhexanoate			237-438-9; 431-610-9						
AKPEROX® ZZ350		13784-51-5; 68860-54-8	3105	4,20 - 4,40	-	52	-	Colorless, Liquid	27	-
Blend Type Peroxides	Methyl Ethyl Ketone Peroxide and Acetylacetone Peroxide			700-954-4; 237-438-9						
AKPEROX® ER11		1338-23-4; 13784-51-5	3105	7,50 - 7,90	33 - 35	-	-	Clear, Liquid	25	-10
AKPEROX® ER14		1338-23-4; 13784-51-5	3105	6,30 - 6,60	33 - 35	-	-	Clear, Liquid	25	-5
AKPEROX® ER33		1338-23-4; 13784-51-5	3105	7,60 - 7,90	33 - 35	55	-	Clear, Liquid	25	-5
AKPEROX® ER34		1338-23-4; 13784-51-5	3105	6,50 - 6,80	33 - 35	55	-	Clear, Liquid	25	-5
AKPEROX® ER37		1338-23-4; 13784-51-5	3105	5,50 - 6,50	33 - 35	55	-	Clear, Liquid	25	-5
AKPEROX® ER73		1338-23-4; 13784-51-5	3105	7,50 - 7,80	33 - 35	55	-	Clear, Liquid	25	-5

ORGANIC PEROXIDES

TYPE OF PEROXIDES PRODUCT NAME	CHEMICAL NAME	CAS NUMBER	UN No	EINECS/ELINCS No AO (%)	ASSAY (%)	SADT (°C)	DILUENT	PHYSICAL FORM	STORAGE TEMPERATURES	
									Ts max.(°C)	Ts min.(°C)
Blend Type Peroxides	tert-Butyl Peroxybenzoate and Methyl Ethyl Ketone Peroxide			700-954-4; 210-382-2						
AKPEROX® ER55		1338-23-4; 614-45-9	-	5,40 - 5,80	-	60	-	Clear, Liquid	25	10
Blend Type Peroxides	tert-Butyl Peroxybenzoate and Acetylacetone Peroxide			210-382-2; 237-438-9						
AKPEROX® ER59		614-45-9; 13784-51-5	3105	3,20 - 3,80	25 - 35	60	Diacetone Alcohol	Clear, Liquid	25	-5
AKPEROX® ER60 FW		614-45-9; 13784-51-5	3105	4,30 - 4,70	25 - 35	60	Diacetone Alcohol	Clear, Liquid	25	-5
Blend Type Peroxides	Acetylacetone Peroxide and Cumyl Hydroperoxide			237-438-9; 201-254-7						
AKPEROX® CAP33		13784-51-5; 80-15-9	3105	6,80 - 7,20	-	60	-	Colorless, Liquid	38	-
Blend Type Peroxides	Methyl Ethyl Ketone Peroxide and Cumyl Hydroperoxide			700-954-4; 210-254-7						
AKPEROX® A249		1338-23-4; 80-15-9	3105	8,30 - 8,60	-	60	-	Colorless or Light Yellow	25	5
AKPEROX® CMP50		1338-23-4; 80-15-9	3105	7,50 - 8,20	-	60	-	Pale Yellow, Liquid	30	5
AKPEROX® CMP75		1338-23-4; 80-15-9	3105	8,70 - 8,90	-	60	-	Pale Yellow, Liquid	30	5
Hydroperoxides	Cumyl Hydroperoxide CUHP			210-254-7						
AKPEROX® A239		80-15-9	3109	4,62 - 4,84	44 - 46	55	Etyhl Acetoacetate	Colorless, Liquid	25	-
AKPEROX® C45		80-15-9	3109	4,73 - 4,94	45 - 47	-	Metyl Acetoacetate	Clear, Liquid	30	-
AKPEROX® C50		80-15-9	3109	5,15 - 5,37	49 - 51	-	Metyl Acetoacetate	Clear, Liquid	30	-
AKPEROX® C80		80-15-9	3109	8,40 - 8,94	80 - 85	-	Metyl Acetoacetate	Clear, Liquid	40	-30
AKPEROX® C90		80-15-9	3109	9,14 - 9,49	87 - 91	-	Metyl Acetoacetate	Colorless, Liquid	40	-30
Dialkyl Peroxides	Dicumyl Peroxide DCP			201-279-3						
AKPEROX® DCP		80-43-3	3110	min. 5,80	min. 99	80	-	Crystalline Solid	38	10
Diacyl Peroxides	Dibenzoyl Peroxide BP			202-237-6						
AKPEROX® BP15 PASTE *		94-36-0	3108	0,92 - 1,06	14 - 16	50	-	Gray and Black, Paste	30	5
AKPEROX® BP17 PASTE		94-36-0	3108	1,06 - 1,19	16 - 18	50	-	Gray and Black, Paste	30	5
AKPEROX® BP20 PASTE *		94-36-0	3108	1,25 - 1,39	19 - 21	50	-	Gray and Black, Paste	30	5
AKPEROX® BP25 PASTE *		94-36-0	3108	1,58 - 1,73	24 - 26	50	-	Gray and Black, Paste	30	5
AKPEROX® BP50 PASTE *		94-36-0	3108	3,23 - 3,38	49,0 - 51,0	50	-	Red, Blue and White, Paste	30	5
AKPEROX® BP55 B PASTE *		94-36-0	3108	3,56 - 3,70	54,0 - 56,0	50	-	White, Paste	30	5
AKPEROX® BP50 POWDER		94-36-0	3106	3,23 - 3,38	49,0 - 51,0	60	-	White, Powder	30	5
AKPEROX® BP75 POWDER		94-36-0	3104	4,89 - 5,09	74 - 77	80	-	White, Powder	30	5
AKPEROX® BP50 PF PASTE (phthalate free) *		94-36-0	3108	3,24 - 3,38	49,0 - 51,0	50	-	Red, Blue and White, Paste	30	5
AKPEROX® BP55 PF PASTE (phthalate free) *		94-36-0	3108	3,56 - 3,70	54,0 - 56,0	50	-	White, Paste	30	5
AKPEROX® BP50 PF POWDER (phthalate free)		94-36-0	3106	3,23 - 3,38	49,0 - 51,0	60	-	White, Powder	30	5
Diacyl Peroxides	DiBenzoyl Peroxide BP			202-327-6						
AKPEROX® L40S		94-36-0	3107	2,57 - 2,71	39 - 41	50	-	White, Liquid	25	0
AKPEROX® L40WE		94-36-0	3109	2,57 - 2,71	39 - 41	80	-	White, Suspension	25	0

* Different colors should be produced if requested.

ORGANIC PEROXIDES

TYPE OF PEROXIDES PRODUCT NAME	CHEMICAL NAME	CAS NUMBER	UN No	EINECS/ELINCS No AO (%)	ASSAY (%)	SADT (°C)	DILUENT	PHYSICAL FORM	STORAGE TEMPERATURES	
									Ts max.(°C)	Ts min.(°C)
Diacyl Peroxides	Di(2,4-Dichlorobenzoyl) Peroxide DCLBP			205-094-9						
AKPEROX® DCLBP		133-14-2	3106	2,06 - 2,19	49 - 52	60	Silicone Oil	White, Paste	30	5
Peroxyketals	2,2-Di-(tert-Butylperoxy)-Butane BU			218-507-2						
AKPEROX® BU50		2167-23-9	3103	6,69 - 6,97	49 - 51	70	Isododecane	Colorless, Liquid	30	-15
Peroxyketals	1,1-Di-(tert-Butyl Peroxy)-Cyclohexane CH			221-111-2; 297-629-8						
AKPEROX® CH50		3006-86-8; 93685-81-5	3105	6,02 - 6,27	49 - 51	70	Isododecane	Clear, Liquid	25	5
AKPEROX® CH80		3006-86-8; 93685-81-5	3103	9,70 - 9,96	79 - 81	60	Isododecane	Clear, Liquid	25	5
Peroxyketals	1,1-Di(tert-Butylperoxy)-3,3,5-Trimethylcyclohexane TMCH			229-782-3						
AKPEROX® PK295 D50		6731-36-8	3107	5,20 - 5,40	49 - 51	60	Mineral Spirit	Clear, Liquid	25	-
AKPEROX® PK295 D90		6731-36-8	3103	9,42 - 9,52	89 - 90	60	Mineral Spirit	Clear, Liquid	25	-
AKPEROX® PK295 S50		6731-36-8	3107	5,20 - 5,40	49 - 51	60	Isododecane	Clear, Liquid	25	-
AKPEROX® PK295 S75		6731-36-8	3103	7,83 - 8,04	74 - 76	60	Isododecane	Clear, Liquid	25	-
AKPEROX® PK295 S90		6731-36-8	3103	9,42 - 9,52	89 - 90	60	Isododecane	Clear, Liquid	25	-
Dye	Peroxide Dye Concentrates DYE			296-120-8; 205-011-6						
RED CATALYST DYE		92257-31-3; 131-11-3	-	-	-	-	-	Red, Liquid	30	5
Dialkyl Peroxides	Di-tert-Butyl Peroxide DTBP			203-733-6						
EFOX® 20		110-05-4	3107	Min. 10,83	Min.99	80	-	Clear, Liquid	40	-30
EFOX® 20 S50		110-05-4	3107	Min. 10,83	Min.99	80	Isododecane	Clear, Liquid	40	-30
Peroxyesters	tert-Butyl Peroxybenzoate TBPB			210-382-2						
EFOX® 30		614-45-9	3103	Min. 8,07	Min. 98	60	-	Clear, Liquid	25	10
Peroxyesters	tert-Butyl Peroxy-3,5,5-Trimethylhexanoate TBPIN			236-050-7						
EFOX® 60		13122-18-4	3105	Min. 6,73	Min. 97	55	-	Clear, Liquid	25	-20
Peroxyesters	tert-Butyl Peroxy 2-Ethylhexyl Carbonate TBPEHC			252-029-5						
EFOX® 90		34443-12-4	3105	Min. 6,17	Min. 95	60	-	Clear, Liquid	20	-20
Peroxyesters	tert-Amyl Peroxy 2-Ethylhexyl Carbonate TAPEHC			247-919-2						
EFOX® 131		70833-40-8	3105	Min. 5,77	Min. 94	55	-	Clear, Liquid	20	-

Applications

PRODUCT NAME	Putties	Button	Anchor and Bolt	Coating	Gelcoat	Hand Lay Up, Spray Up	Polymer Concrete, Marble	RTM	Centrifugal Casting	Continuous Laminating	Filament Winding	Hot Press Moulding	Pultrusion	Acrylic	Vinylester Resin	SMC, BMC	LDPE	PMMA	Polystyrene	Road Marking	Rubber (ABS & SBR)	PAGE
AKPEROX® A1					•	•	•		•		•											8
AKPEROX® A2						•	•		•		•											8
AKPEROX® A10		•		•	•	•	•	•	•	•	•				•							8
AKPEROX® A30		•		•	•	•	•	•	•	•	•				•							8
AKPEROX® A50		•		•	•	•	•	•	•	•	•				•							8
AKPEROX® A60		•		•	•	•	•	•	•	•	•				•							8
AKPEROX® A50G		•		•	•	•	•	•	•	•	•				•							8
AKPEROX® A60G		•		•	•	•	•	•	•	•	•				•							8
AKPEROX® A5R		•		•	•	•	•	•	•	•	•				•							8
AKPEROX® A6R		•		•	•	•	•	•	•	•	•		•			•	•					8
AKPEROX® A9CL		•		•	•	•	•	•	•	•	•											8
AKPEROX® A9H		•		•	•	•	•	•	•	•	•											8
AKPEROX® A9LP		•		•	•	•	•	•	•	•	•											8
AKPEROX® A50 PF		•		•	•	•	•	•	•	•	•				•							8
AKPEROX® A60 PF		•		•	•	•	•	•	•	•	•				•							8
AKPEROX® LPT				•	•			•			•				•							8
AKPEROX® LPT-N				•	•			•			•				•							8
AKPEROX® MIKP		•		•	•			•			•		•		•							8
AKPEROX® MIKP-S				•	•			•			•		•		•							8
AKPEROX® AAP				•	•	•	•	•	•	•	•											8
AKPEROX® CS				•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•			8
AKPEROX® HC9				•	•	•	•	•	•	•	•		•									8
AKPEROX® HC10				•	•	•	•	•	•	•	•		•									8
AKPEROX® HC75				•	•	•	•	•	•	•	•		•									8
AKPEROX® ZZ350				•	•	•	•	•	•	•	•											8
AKPEROX® ER11				•	•	•	•	•	•	•	•											8
AKPEROX® ER14				•	•	•	•	•	•	•	•											8
AKPEROX® ER33				•	•	•	•	•	•	•	•											8
AKPEROX® ER34				•	•	•	•	•	•	•	•											8
AKPEROX® ER37				•	•	•	•	•	•	•	•											8
AKPEROX® ER73				•	•	•	•	•	•	•	•											8
AKPEROX® ER55				•	•	•	•	•	•	•	•											10
AKPEROX® ER59				•	•	•	•	•	•	•	•											10
AKPEROX® ER60 FW				•	•	•	•	•	•	•	•											10
AKPEROX® CAP33		•		•	•	•	•	•	•	•	•				•							10
AKPEROX® A249				•	•	•	•	•	•	•	•				•							10
AKPEROX® CMP50				•	•	•	•	•	•	•	•				•							10
AKPEROX® CMP75				•	•	•	•	•	•	•	•				•							10

ORGANIC PEROXIDES

PRODUCT NAME	Putties	Button	Anchor and Bolt	Coating	Gelcoat	Hand Lay Up, Spray Up	Polymer Concrete, Marble	RTM	Centrifugal Casting	Continuous Laminating	Filament Winding	Hot Press Moulding	Pultrusion	Acrylic	Vinylester Resin	SMC, BMC	LDPE	PMMA	Polystyrene	Road Marking	Rubber (ABS & SBR)	PAGE	
AKPEROX® A239				•	•	•		•							•				•			10	
AKPEROX® C45				•	•	•									•				•			10	
AKPEROX® C50				•	•	•									•				•			10	
AKPEROX® C80				•	•	•									•				•			10	
AKPEROX® C90				•	•	•									•				•			10	
AKPEROX® DCP												•				•					•	10	
AKPEROX® BP15 PASTE	•		•																			10	
AKPEROX® BP17 PASTE	•		•																			10	
AKPEROX® BP20 PASTE	•		•																			10	
AKPEROX® BP25 PASTE	•		•																			10	
AKPEROX® BP50 PASTE	•		•																			10	
AKPEROX® BP55 B PASTE	•		•																			10	
AKPEROX® BP50 POWDER	•		•																	•		10	
AKPEROX® BP75 POWDER	•		•																			10	
AKPEROX® BP50 PF PASTE	•		•																			10	
AKPEROX® BP55 PF PASTE	•		•																			10	
AKPEROX® BP50 PF POWDER	•		•																			10	
AKPEROX® L40S	•		•		•	•	•				•	•		•	•						•	10	
AKPEROX® L40WE	•		•		•	•	•				•	•		•	•							10	
AKPEROX® DCLBP																						12	
AKPEROX® BU50														•					•	•		12	
AKPEROX® CH50		•		•	•	•	•	•	•	•	•	•	•						•	•		12	
AKPEROX® CH80		•		•	•	•	•	•	•	•	•	•	•						•	•		12	
AKPEROX® PK295 D50												•	•			•	•					12	
AKPEROX® PK295 D90												•	•			•	•					12	
AKPEROX® PK295 S50												•	•			•	•					12	
AKPEROX® PK295 S75												•	•			•	•					12	
AKPEROX® PK295 S90												•	•			•	•	•	•			12	
RED CATALYST DYE																						12	
EFOX® 20				•										•					•			•	12
EFOX® 20 S50				•										•					•			•	12
EFOX® 30												•	•		•	•	•		•			•	12
EFOX® 60											•	•	•		•	•	•		•	•		•	12
EFOX® 90			•									•	•		•	•	•		•	•		•	12
EFOX® 131																			•		•	•	12

• Recommended application • Possible application

ORGANIC PEROXIDES

PRODUCT NAME	DESCRIPTION	PRODUCT CODE	PAGE
AKPEROX® A1	Solution of methyl ethyl ketone peroxide in dimethyl phthalate.	[MEKP]	8
AKPEROX® A2	Solution of methyl ethyl ketone peroxide in dimethyl phthalate.	[MEKP]	8
AKPEROX® A5R	Methyl ethyl ketone peroxide phthalate free solution in special mineral solvent.	[MEKP]	8
AKPEROX® A6R	Methyl ethyl ketone peroxide phthalate free solution in special mineral solvent.	[MEKP]	8
AKPEROX® A10	Solution of methyl ethyl ketone peroxide in dimethyl phthalate.	[MEKP]	8
AKPEROX® A30	Solution of methyl ethyl ketone peroxide in dimethyl phthalate.	[MEKP]	8
AKPEROX® A50	Solution of methyl ethyl ketone peroxide in dimethyl phthalate.	[MEKP]	8
AKPEROX® A50G	Solution of methyl ethyl ketone peroxide in dimethyl phthalate.	[MEKP]	8
AKPEROX® A50 PF (phthalate free)	Methyl ethyl ketone peroxide solution in special mineral solvent.	[MEKP]	8
AKPEROX® A60	Solution of methyl ethyl ketone peroxide in dimethyl phthalate.	[MEKP]	8
AKPEROX® A60G	Solution of methyl ethyl ketone peroxide in dimethyl phthalate.	[MEKP]	8
AKPEROX® A60 PF (phthalate free)	Methyl ethyl ketone peroxide solution in special mineral solvent.	[MEKP]	8
AKPEROX® A9CL	Methyl ethyl ketone peroxide in 2,4,4-trimethyl-1,3-pentanediol diisobutyrate.	[MEKP]	8
AKPEROX® A9H	Methyl ethyl ketone peroxide in 2,4,4-trimethyl-1,3-pentanediol diisobutyrate.	[MEKP]	8
AKPEROX® A9LP	Methyl ethyl ketone peroxide in 2,4,4-trimethyl-1,3-pentanediol diisobutyrate.	[MEKP]	8
AKPEROX® A239	Cumyl hydroperoxide 45% in solvent mixture.	[CUHP]	10
AKPEROX® A249	Methyl ethyl ketone peroxide / Cumyl hydroperoxide.	[MIXMEKP]	10
AKPEROX® AAP	Acetylacetone peroxide solution in diacetone alcohol.	[AAP]	8
AKPEROX® BP15 PASTE *	DiBenzoyl peroxide, paste, 15% in plasticizer.	[BP]	10
AKPEROX® BP17 PASTE	DiBenzoyl peroxide, paste, 17% in plasticizer.	[BP]	10
AKPEROX® BP20 PASTE *	DiBenzoyl peroxide, paste, 20% in plasticizer.	[BP]	10
AKPEROX® BP25 PASTE *	DiBenzoyl peroxide, paste, 25% in plasticizer.	[BP]	10
AKPEROX® BP50 PASTE *	DiBenzoyl peroxide, paste, 50% in plasticizer.	[BP]	10
AKPEROX® BP50 PF PASTE (phthalate free) *	DiBenzoyl peroxide, paste, 50% phthalate free in plasticizer.	[BP]	10
AKPEROX® BP50 POWDER	DiBenzoyl peroxide, 50% powder with plasticizer.	[BP]	10
AKPEROX® BP50 PF POWDER (phthalate free)	DiBenzoyl peroxide, powder, 50% phthalate free in plasticizer.	[BP]	10
AKPEROX® BP55 B PASTE *	DiBenzoyl peroxide, paste, 55% in plasticizer.	[BP]	10
AKPEROX® BP55 PF PASTE (phthalate free)*	DiBenzoyl peroxide, paste, 55% phthalate free in plasticizer.	[BP]	10
AKPEROX® BP75 POWDER	DiBenzoyl peroxide, 75% powder with water.	[BP]	10
AKPEROX® BU50	2,2-Di-(tert-butylperoxy)-butane.	[BU]	12
AKPEROX® C45	Cumyl hydroperoxide 45% solution in aromatic solvent mixture.	[CUHP]	10
AKPEROX® C50	Cumyl hydroperoxide 50% solution in aromatic solvent mixture.	[CUHP]	10
AKPEROX® C80	Cumyl hydroperoxide 80% solution in aromatic solvent mixture.	[CUHP]	10
AKPEROX® C90	Cumyl hydroperoxide.	[CUHP]	10
AKPEROX® CAP33	Mixture of acetylacetone peroxide and cumyl hydroperoxide.	[MIXTYPE]	10
AKPEROX® CH50	50% 1,1-Di-(tert-butylperoxy) cyclohexane.	[CH]	12
AKPEROX® CH80	80% 1,1-Di-(tert-butylperoxy) cyclohexane.	[CH]	12
AKPEROX® CMP50	Mixture of methyl ethyl ketone peroxide and cumyl hydroperoxide.	[MIXTYPE]	10
AKPEROX® CMP75	Mixture of methyl ethyl ketone peroxide and cumyl hydroperoxide.	[MIXTYPE]	10
AKPEROX® CS	tert-Butyl peroxy-3,5,5-trimethylhexanoate 90% with acetylacetone.	[TBPIN]	8
AKPEROX® DCLBP	Di(2,4-dichlorobenzoyl) peroxide 50%, desensitised with silicone oil.	[DCLBP]	12
AKPEROX® DCP	Dicumyl peroxide.	[DCP]	10
AKPEROX® ER11	Methyl ethyl ketone peroxide and acetylacetone peroxide in solvent mixture.	[MIXTYPE]	8
AKPEROX® ER14	Methyl ethyl ketone peroxide and acetylacetone peroxide in solvent mixture.	[MIXTYPE]	8
AKPEROX® ER33	Methyl ethyl ketone peroxide and acetylacetone peroxide in solvent mixture.	[MIXTYPE]	8
AKPEROX® ER34	Methyl ethyl ketone peroxide and acetylacetone peroxide in solvent mixture.	[MIXTYPE]	8
AKPEROX® ER37	Methyl ethyl ketone peroxide and acetylacetone peroxide in solvent mixture.	[MIXTYPE]	8
AKPEROX® ER55	Mixture of tert-butyl peroxybenzoate and methyl ethyl ketone peroxide.	[MIXTYPE]	10
AKPEROX® ER59	tert-Butyl peroxybenzoate and acetylacetone peroxide solution in diacetone alcohol.	[MIXTYPE]	10
AKPEROX® ER60 FW	tert-Butyl peroxybenzoate and acetylacetone peroxide solution in diacetone alcohol.	[MIXTYPE]	10
AKPEROX® ER73	Methyl ethyl ketone peroxide and acetylacetone peroxide in solvent mixture.	[MIXTYPE]	8
AKPEROX® HC9	tert-Butyl peroxybenzoate, 80% solution with acetylacetone.	[TBPB]	8
AKPEROX® HC10	tert-Butyl peroxybenzoate, 90% solution with acetylacetone.	[TBPB]	8
AKPEROX® HC75	tert-Butyl peroxybenzoate, 75% solution with acetylacetone.	[TBPB]	8
AKPEROX® L40S	Dibenzoyl peroxide liquid dispersion.	[BP]	10
AKPEROX® L40WE	Dibenzoyl peroxide 40% suspension in water.	[BP]	10
AKPEROX® LPT	Solution of methyl ethyl ketone peroxide in diisobutyl phthalate.	[MEKP]	8
AKPEROX® LPT-N	Solution of methyl ethyl ketone peroxide in diisononyl phthalate.	[MEKP]	8
AKPEROX® MIKP	Methyl isobutyl ketone peroxide in isododecane.	[MIKP]	8
AKPEROX® MIKP-S	Methyl isobutyl ketone peroxide in isododecane.	[MIKP]	8
AKPEROX® PK295 D50	1,1-Di-(tert-butylperoxy)-3,3,5-trimethylcyclohexane, 50% solution in mineral spirits.	[TMCH]	12
AKPEROX® PK295 D90	1,1-Di-(tert-butylperoxy)-3,3,5-trimethylcyclohexane, 90% solution in mineral spirits.	[TMCH]	12
AKPEROX® PK295 S50	1,1-Di-(tert-butylperoxy)-3,3,5-trimethylcyclohexane, 50% solution in isododecane.	[TMCH]	12
AKPEROX® PK295 S75	1,1-Di-(tert-butylperoxy)-3,3,5-trimethylcyclohexane, 75% solution in isododecane.	[TMCH]	12
AKPEROX® PK295 S90	1,1-Di-(tert-butylperoxy)-3,3,5-trimethylcyclohexane, 90% solution in isododecane.	[TMCH]	12
AKPEROX® ZZ350	Mixture of acetylacetone peroxide and t-amyl-peroxy-3,5,5-trimethylhexanoate.	[MIXTYPE]	8
EFOX® 20	Di-tert-butyl peroxide.	[DTBP]	12
EFOX® 20 S50	Di-tert-butyl peroxide, 50% solution in isododecane.	[DTBP]	12
EFOX® 30	tert-Butyl peroxybenzoate.	[TBPB]	12
EFOX® 60	tert-Butyl peroxy-3,5,5-trimethylhexanoate.	[TBPIN]	12
EFOX® 90	tert-Butyl peroxy-2-ethylhexyl carbonate.	[TBPEHC]	12
EFOX® 131	tert-Amyl peroxy 2-ethylhexyl carbonate.	[TAPEHC]	12
RED CATALYST DYE	Peroxide dye concentrate.	[DYE]	12

* Different colors should be produced if requested.

POLYMERIZATION INITIATORS

PRODUCT NAME	DESCRIPTION	PRODUCT CODE	PAGE
AKPEROX® CAT K	Bis 3,5,5-trimethylhexanoyl 75% solution in isododecane.	[INP]	20
AKPEROX® CAT K 550	Bis 3,5,5-Trimethylhexanoyl 50% solution in isododecane.	[INP]	20
AKPEROX® CAT K W50	Di(3,5,5-trimethylhexanoyl) peroxide 50% in water and methanol.	[INP]	20
AKPEROX® EHP60	Di(2-ethylhexyl) peroxydicarbonate, 60% aqueous emulsion in water and methanol.	[EHPC]	20
AKPEROX® EHP65	Di(2-ethylhexyl) peroxydicarbonate 65% solution in mineral spirit.	[EHPC]	20
AKPEROX® EHP75W	Di(2-ethylhexyl) peroxydicarbonate 75% solution in mineral spirit.	[EHPC]	20
AKPEROX® PK295 D50	1,1-Di-(tert-butylperoxy)-3,3,5-trimethylcyclohexane, 50% solution in mineral spirits.	[TMCH]	20
AKPEROX® PK295 D90	1,1-Di-(tert-butylperoxy)-3,3,5-trimethylcyclohexane, 90% solution in mineral spirits.	[TMCH]	20
AKPEROX® PK295 S50	1,1-Di-(tert-butylperoxy)-3,3,5-trimethylcyclohexane, 50% solution in isododecane.	[TMCH]	20
AKPEROX® PK295 S75	1,1-Di-(tert-butylperoxy)-3,3,5-trimethylcyclohexane, 75% solution in isododecane.	[TMCH]	20
AKPEROX® PK295 S90	1,1-Di-(tert-butylperoxy)-3,3,5-trimethylcyclohexane, 90% solution in isododecane.	[TMCH]	20
AKPEROX® TAHP 85	tert-Amyl hydroperoxide 85% solution in water.	[TAHP]	20
AKPEROX® TBHP 70	tert-Butyl hydroperoxide 70% solution in water.	[TBHP]	20
AKPEROX® TBHP 80	tert-Butyl hydroperoxide 80% solution in water.	[TBHP]	20
EFOX® 10	tert-Butyl peroxy-2-ethylhexanoate.	[TBPEH]	18
EFOX® 10 S30	tert-Butyl peroxy-2-ethylhexanoate 30% solution in isododecane.	[TBPEH]	18
EFOX® 10 S50	tert-Butyl peroxy-2-ethylhexanoate 50% solution in isododecane.	[TBPEH]	18
EFOX® 10 S90	tert-Butyl peroxy-2-ethylhexanoate 90% solution in isododecane.	[TBPEH]	18
EFOX® 20	Di-tert-butyl peroxide.	[DTBP]	18
EFOX® 20 S30	Di-tert-butyl peroxide 30% solution in isododecane.	[DTBP]	18
EFOX® 20 S50	Di-tert-butyl peroxide 50% solution in isododecane.	[DTBP]	18
EFOX® 20 S500	Di-tert-butyl peroxide.	[DTBP]	18
EFOX® 30	tert-Butyl peroxybenzoate.	[TBPB]	18
EFOX® 50	tert-Butyl peroxyphthalate 75% .	[TBPP]	18
EFOX® 50 S25	tert-Butyl peroxyphthalate 25% solution in isododecane.	[TBPP]	18
EFOX® 60	tert-Butyl peroxy -3,5,5-trimethylhexanoate.	[TBPIN]	18
EFOX® 60 S30	tert-Butyl peroxy-3,5,5-trimethylhexanoate 30% solution in isododecane.	[TBPIN]	18
EFOX® 70	tert-Amyl peroxy-2-ethylhexanoate.	[TAPEH]	18
EFOX® 80	tert-Amyl peroxyphthalate 75% .	[TAPP]	18
EFOX® 90	tert-Butyl peroxy-2-ethylhexyl carbonate.	[TBPEHC]	18
EFOX® 99 S75	Cumyl peroxyneodecanoate 75% solution in odorless mineral spirits.	[CUPND]	18
EFOX® 100	tert-Butyl peroxyneodecanoate.	[TBPND]	18
EFOX® 100 S75	tert-Butyl peroxyneodecanoate 75% in isododecane.	[TBPND]	18
EFOX® 101	2,5-Dimethyl-2,5-di(tert-butylperoxy) hexane.	[DHBP]	18
EFOX® 131	tert-Amylperoxy 2-ethylhexyl carbonate.	[TAPEHC]	20
EFOX® BPIC S75	tert-Butyl peroxy isopropyl carbonate 75% solution in odorless mineral spirits.	[TBPIC]	20
EFOX® DTAP	Di-tert-amyl peroxide.	[DTAP]	20
EFOX® DTAP S85	Di-tert-amyl peroxide.	[DTAP]	20
EFOX® LP	Dilauroyl peroxide flakes.	[LP]	20
EFOX® LP Special	Dilauroyl peroxide powder.	[LP]	20
EFOX® MyPC	Dimyristyl peroxydicarbonate.	[MYPC]	20
EFOX® T801	tert-Butyl cumyl peroxide.	[TBCUP]	20

ACCELERATORS

PRODUCT NAME	DESCRIPTION	PRODUCT CODE	PAGE
AKCOBALT® 0,5%	Cobalt(II) 2-ethylhexanoate in the desired solvent.	[Co]	26
AKCOBALT® 1%	Cobalt(II) 2-ethylhexanoate in the desired solvent.	[Co]	26
AKCOBALT® 2%	Cobalt(II) 2-ethylhexanoate in the desired solvent.	[Co]	26
AKCOBALT® 4%	Cobalt(II) 2-ethylhexanoate in the desired solvent.	[Co]	26
AKCOBALT® 6%	Cobalt(II) 2-ethylhexanoate in the desired solvent.	[Co]	26
AKCOBALT® 8%	Cobalt(II) 2-ethylhexanoate in the desired solvent.	[Co]	26
AKCOBALT® 10%	Cobalt(II) 2-ethylhexanoate in the desired solvent.	[Co]	26
AKCOBALT® 12%	Cobalt(II) 2-ethylhexanoate in the desired solvent.	[Co]	26
AKCOBALT® CX60-D	Cobalt(II) 2-ethylhexanoate in the special mineral spirit.	[Co]	26
AKCOBALT® DX3	Cobalt(II) 2-ethylhexanoate and N,N dimethylaniline solution in aliphatic hydrocarbons.	[Co]	26
AKCOBALT® KXC6	Cobalt(II) 2-ethylhexanoate in toluene.	[Co]	26
AKCOBALT® KXC8	Cobalt(II) 2-ethylhexanoate in toluene.	[Co]	26
AKCOBALT® KXC10W	Cobalt(II) 2-ethylhexanoate in toluene.	[Co]	26
AKCOBALT® KXC12W	Cobalt(II) 2-ethylhexanoate in toluene.	[Co]	26
AKCOBALT® RC88 (colorless cobalt)	Cobalt(II) ethylhexanoate and metallic salt in aromatic solvent.	[Co]	26
AKCOBALT® SR6	Cobalt(II) 2-ethylhexanoate in toluene.	[Co]	26
AKDRY® K Octoate 15%	Potassium octoate.	[K]	26
AKPEROX® TBC	4-tert-butylpyrocatechol 100% flakes consist of white-creamy flakes.	[TBC]	26
AKPROMOTER P100	Acetylacetone 99%, 2,4 pentadiene.	[AA]	26
AKQUICK® T10	N,N Dimethylaniline in 10% solvent.	[DMA]	26
AKQUICK® T100	N,N Dimethylaniline min 99% .	[DMA]	26
AKQUICK® T150	Diethanol-para-toluidine.	[DEPT]	26
AKQUICK® T300	N,N-Dimethyl-p-toluidine.	[DMPT]	26
AKQUICK® T400	Diisopropanol-p-toluidine.	[DIPT]	26
AKQUICK® T500	4-tert-Butyl-1,2-dihydroxy benzene 10% solution in aliphatic ester.	[TBC]	26

PAINT DRIERS

PRODUCT NAME	METAL (%)	PAGE
AKDRY® Ca Octoate	10, 6, 5, 4	32
AKDRY® Co Octoate	12, 10, 8, 6, 4, 2, 1	32
AKDRY® K Octoate	15, 10	32
AKDRY® Mn Octoate	10, 8, 6	32
AKDRY® Pb Octoate	36, 32, 30, 24	32
AKDRY® Sr Octoate	10, 8, 6	32
AKDRY® Zn Octoate	18, 16, 12, 10, 8, 6	32
AKDRY® Zr Octoate	24, 18, 16, 12, 10, 6	32
AKDRY® CT39		32
AKDRY® HP39		32
AKDRY® MIX - 1	1, 8, 6	32
AKDRY® MIX - 2	2, 8, 6	32
AKDRY® MIX - 3	3, 8, 6	32
AKDRY® MIX D		32
AKDRY® MIX D15	15	32
AKDRY® MIX D34	8,8	32
AKDRY® MIX Z59	10,2	32

AKPA

**ORGANIC PEROXIDES, INITIATORS
PAINT DRIERS**

AKPA KİMYA

akpakimya.com

Headquarters - Yenibosna Merkez Mahallesi Ladin Sokak No: 36/70

Kat: 12 Townofis Bahçelievler 34197 İstanbul, Türkiye

T: +90 212 580 55 59 F: +90 212 580 55 21

E: info@akpakimya.com

Factory - İstiklal-Kurtpınar OSB Mahallesi Atatürk Caddesi

No: 23/1 Muratlı 59700 Tekirdağ, Türkiye

T: +90 282 361 80 99 F: +90 282 361 75 71

E: info@akpakimya.com

AKPA CHEMICALS US, INC

akpachemicalus.com

122 Innovation Drive Fairfax, SC 29827 USA

T: +1 803 686 28 88

E: info@akpachemicalus.com

AKPA CHEMIE GmbH

akpachemie.de

Bayerstraße 15, 80335 München, Germany

T: +49 151 638 55 921

E: info@akpachemie.de

AKPA CHEMICAL, IBERIA S. L.

akpaquimica.es

Av. Diagonal, 601, 8º Planta 08028 Barcelona, Spain

T: +34 682 110 739

E: info@akpaquimica.es

The information in the catalogue is believed to be accurate and to the best of our knowledge but should be considered as introductory only. Detailed information about products is available in TDS and MSDS. Suggestions for product applications are based on the best of our knowledge. The responsibility for the use of products in conformity or otherwise with the suggested application and for determining product suitability for your own purposes rests with the user. All copyright, trademark rights and other intellectual and industrial property rights and the resulting rights to use this publication and its contents have been transferred to AKPA its licensors. All rights reserved. Users/readers are not entitled to reproduce this publication in whole or in part, nor are they entitled to reproduce it (excluding reproduction for personal use) or to transfer it to third parties. AKPA shall not be responsible for data published by users. Products mentioned are trademarks of AKPA and registered in many countries.