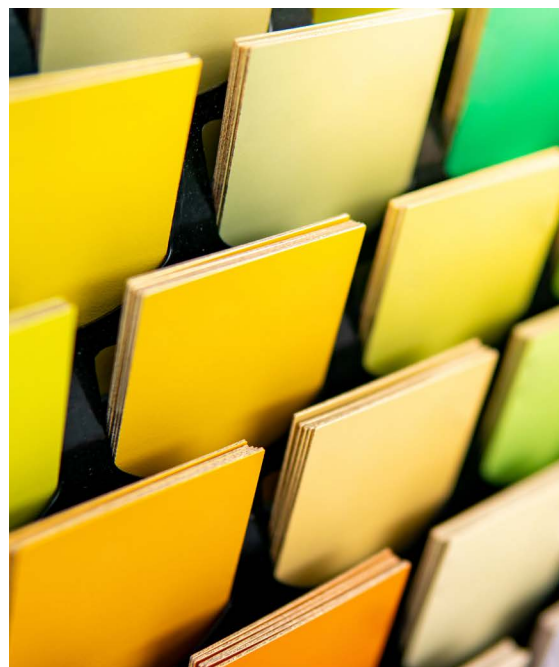


# AKPO

**ORGANIC PEROXIDES, INITIATORS  
PAINT DRIERS**

## **PRODUCT RANGE**





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 m<sup>2</sup> is closed and 70.000 m<sup>2</sup> 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.

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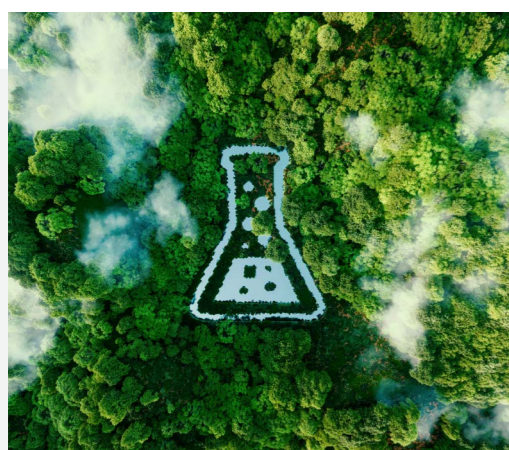


AKPA has offices and warehouses in central locations in Europe, Asia, and the USA. We have a global investment activity and distribution network products and services are delivered just in time for each country. AKPA's production satisfies our customer's needs by providing them our high-quality products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

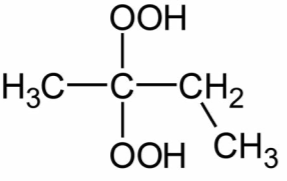
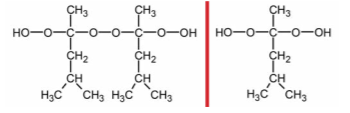
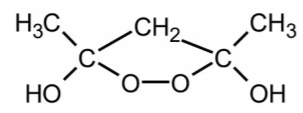
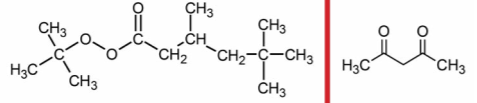
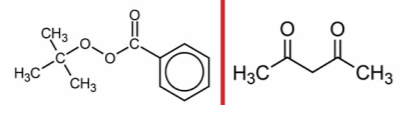
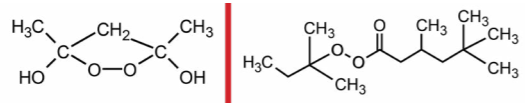
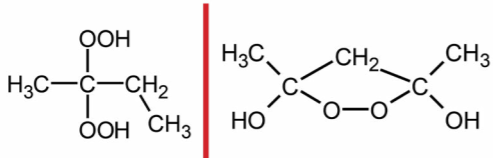
While AKPA offers a vast range of packaging, the company is also ready to offer different sizes depending on the customers' needs. To learn more about packaging options, visit our website [www.akpakimya.com](http://www.akpakimya.com) and review the TDS's of the relevant product.

# Organic Peroxides

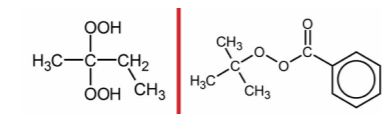
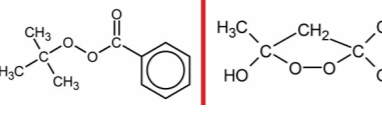
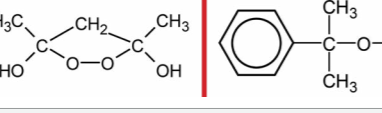
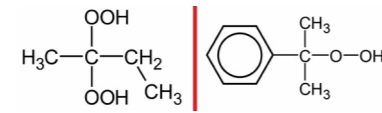
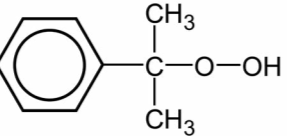
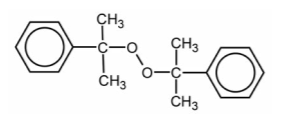
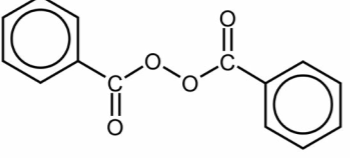
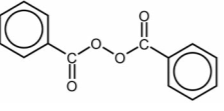
Organic Peroxides are chemicals which are accelerator or heat activated and regulate unsaturated polyester (UPS) and vinylester resins (VR) gel and curing. AKPA is one of the main global producers of organic peroxides and it has a production of organic peroxide for various materials.



**ORGANIC PEROXIDES**

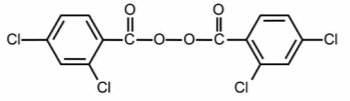
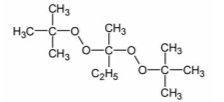
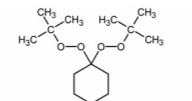
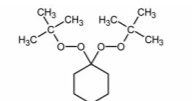
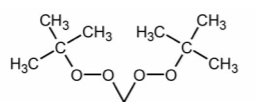
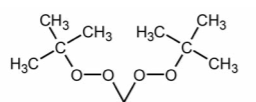
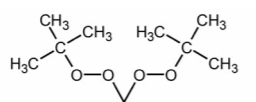
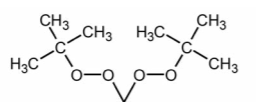
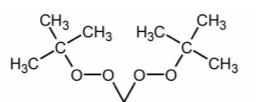
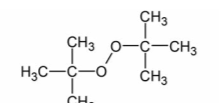
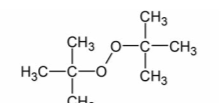
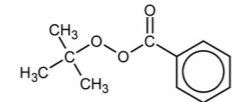
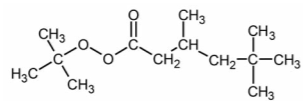
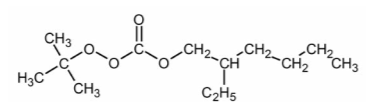
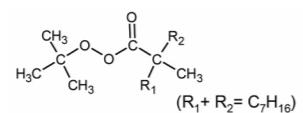
TYPE OF PEROXIDES PRODUCT NAME	CHEMICAL NAME	CAS NUMBER	UN No	EINECS/ELINCS No AO (%)	ASSAY (%)	SADT (°C)	DILUENT	PHYSICAL FORM	STORAGE TEMPERATURES	
									Ts max.(°C)	Ts min.(°C)
<b>Ketone Peroxides</b>	<b>Methyl Ethyl Ketone Peroxide MEKP</b>			<b>700-954-4</b>					<b>Ts max.(°C)</b>	<b>Ts min.(°C)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

**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)
<b>Blend Type Peroxides</b>	<b>tert-Butyl Peroxybenzoate and Methyl Ethyl Ketone Peroxide</b>			<b>700-954-4; 210-382-2</b>						
AKPEROX® ER55		1338-23-4; 614-45-9	-	5,40 - 5,80	-	60	-	Clear, Liquid	<b>25</b>	<b>10</b>
<b>Blend Type Peroxides</b>	<b>tert-Butyl Peroxybenzoate and Acetylacetone Peroxide</b>			<b>210-382-2; 237-438-9</b>						
AKPEROX® ER59		614-45-9; 13784-51-5	3105	3,20 - 3,80	25 - 35	60	Diacetone Alcohol	Clear, Liquid	<b>25</b>	<b>-5</b>
AKPEROX® ER60 FW		614-45-9; 13784-51-5	3105	4,30 - 4,70	25 - 35	60	Diacetone Alcohol	Clear, Liquid	<b>25</b>	<b>-5</b>
<b>Blend Type Peroxides</b>	<b>Acetylacetone Peroxide and Cumyl Hydroperoxide</b>			<b>237-438-9; 201-254-7</b>						
AKPEROX® CAP33		13784-51-5; 80-15-9	3105	6,80 - 7,20	-	60	-	Colorless, Liquid	<b>38</b>	<b>-</b>
<b>Blend Type Peroxides</b>	<b>Methyl Ethyl Ketone Peroxide and Cumyl Hydroperoxide</b>			<b>700-954-4; 210-254-7</b>						
AKPEROX® A249		1338-23-4; 80-15-9	3105	8,30 - 8,60	-	60	-	Colorless or Light Yellow	<b>25</b>	<b>5</b>
AKPEROX® CMP50		1338-23-4; 80-15-9	3105	7,50 - 8,20	-	60	-	Pale Yellow, Liquid	<b>30</b>	<b>5</b>
AKPEROX® CMP75		1338-23-4; 80-15-9	3105	8,70 - 8,90	-	60	-	Pale Yellow, Liquid	<b>30</b>	<b>5</b>
<b>Hydroperoxides</b>	<b>Cumyl Hydroperoxide CUHP</b>			<b>210-254-7</b>						
AKPEROX® A239		80-15-9	3109	4,62 - 4,84	44 - 46	55	Etyhl Acetoacetate	Colorless, Liquid	<b>25</b>	<b>-</b>
AKPEROX® C45		80-15-9	3109	4,73 - 4,94	45 - 47	-	Metyl Acetoacetate	Clear, Liquid	<b>30</b>	<b>-</b>
AKPEROX® C50		80-15-9	3109	5,15 - 5,37	49 - 51	-	Metyl Acetoacetate	Clear, Liquid	<b>30</b>	<b>-</b>
AKPEROX® C80		80-15-9	3109	8,40 - 8,94	80 - 85	-	Metyl Acetoacetate	Clear, Liquid	<b>40</b>	<b>-30</b>
AKPEROX® C90		80-15-9	3109	9,14 - 9,49	87 - 91	-	Metyl Acetoacetate	Colorless, Liquid	<b>40</b>	<b>-30</b>
<b>Dialkyl Peroxides</b>	<b>Dicumyl Peroxide DCP</b>			<b>201-279-3</b>						
AKPEROX® DCP		80-43-3	3110	min. 5,80	min. 99	80	-	Crystalline Solid	<b>38</b>	<b>10</b>
<b>Diacyl Peroxides</b>	<b>Dibenzoyl Peroxide BP</b>			<b>202-237-6</b>						
AKPEROX® BP15 PASTE *		94-36-0	3108	0,92 - 1,06	14 - 16	50	-	Gray and Black, Paste	<b>30</b>	<b>5</b>
AKPEROX® BP17 PASTE		94-36-0	3108	1,06 - 1,19	16 - 18	50	-	Gray and Black, Paste	<b>30</b>	<b>5</b>
AKPEROX® BP20 PASTE *		94-36-0	3108	1,25 - 1,39	19 - 21	50	-	Gray and Black, Paste	<b>30</b>	<b>5</b>
AKPEROX® BP25 PASTE *		94-36-0	3108	1,58 - 1,73	24 - 26	50	-	Gray and Black, Paste	<b>30</b>	<b>5</b>
AKPEROX® BP50 PASTE *		94-36-0	3108	3,23 - 3,38	49,0 - 51,0	50	-	Red, Blue and White, Paste	<b>30</b>	<b>5</b>
AKPEROX® BP55 B PASTE *		94-36-0	3108	3,56 - 3,70	54,0 - 56,0	50	-	White, Paste	<b>30</b>	<b>5</b>
AKPEROX® BP50 POWDER		94-36-0	3106	3,23 - 3,38	49,0 - 51,0	60	-	White, Powder	<b>30</b>	<b>5</b>
AKPEROX® BP75 POWDER		94-36-0	3104	4,89 - 5,09	74 - 77	80	-	White, Powder	<b>30</b>	<b>5</b>
AKPEROX® BP50 PF PASTE (phthalate free) *		94-36-0	3108	3,24 - 3,38	49,0 - 51,0	50	-	Red, Blue and White, Paste	<b>30</b>	<b>5</b>
AKPEROX® BP55 PF PASTE (phthalate free) *		94-36-0	3108	3,56 - 3,70	54,0 - 56,0	50	-	White, Paste	<b>30</b>	<b>5</b>
AKPEROX® BP50 PF POWDER (phthalate free)		94-36-0	3106	3,23 - 3,38	49,0 - 51,0	60	-	White, Powder	<b>30</b>	<b>5</b>
<b>Diacyl Peroxides</b>	<b>DiBenzoyl Peroxide BP</b>			<b>202-327-6</b>						
AKPEROX® L40S		94-36-0	3107	2,57 - 2,71	39 - 41	50	-	White, Liquid	<b>25</b>	<b>0</b>
AKPEROX® L40WE		94-36-0	3109	2,57 - 2,71	39 - 41	80	-	White, Suspension	<b>25</b>	<b>0</b>

\* 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)
<b>Diacyl Peroxides</b>	<b>Di(2,4-Dichlorobenzoyl) Peroxide DCLBP</b>			<b>205-094-9</b>						
AKPEROX® DCLBP		133-14-2	3106	2,06 - 2,19	49 - 52	60	Silicone Oil	White, Paste	<b>30</b>	<b>5</b>
<b>Peroxyketals</b>	<b>2,2-Di-(tert-Butylperoxy)-Butane BU</b>			<b>218-507-2</b>						
AKPEROX® BU50		2167-23-9	3103	6,69 - 6,97	49 - 51	70	Isododecane	Colorless, Liquid	<b>30</b>	<b>-15</b>
<b>Peroxyketals</b>	<b>1,1-Di-(tert-Butyl Peroxy)-Cyclohexane CH</b>			<b>221-111-2; 297-629-8</b>						
AKPEROX® CH50		3006-86-8; 93685-81-5	3105	6,02 - 6,27	49 - 51	70	Isododecane	Clear, Liquid	<b>25</b>	<b>5</b>
AKPEROX® CH80		3006-86-8; 93685-81-5	3103	9,70 - 9,96	79 - 81	60	Isododecane	Clear, Liquid	<b>25</b>	<b>5</b>
<b>Peroxyketals</b>	<b>1,1-Di(tert-Butylperoxy)-3,3,5-Trimethylcyclohexane TMCH</b>			<b>229-782-3</b>						
AKPEROX® PK295 D50		6731-36-8	3107	5,20 - 5,40	49 - 51	60	Mineral Spirit	Clear, Liquid	<b>25</b>	<b>-</b>
AKPEROX® PK295 D90		6731-36-8	3103	9,42 - 9,52	89 - 90	60	Mineral Spirit	Clear, Liquid	<b>25</b>	<b>-</b>
AKPEROX® PK295 S50		6731-36-8	3107	5,20 - 5,40	49 - 51	60	Isododecane	Clear, Liquid	<b>25</b>	<b>-</b>
AKPEROX® PK295 S75		6731-36-8	3103	7,83 - 8,04	74 - 76	60	Isododecane	Clear, Liquid	<b>25</b>	<b>-</b>
AKPEROX® PK295 S90		6731-36-8	3103	9,42 - 9,52	89 - 90	60	Isododecane	Clear, Liquid	<b>25</b>	<b>-</b>
<b>Dye</b>	<b>Peroxide Dye Concentrates DYE</b>			<b>296-120-8; 205-011-6</b>						
RED CATALYST DYE		92257-31-3; 131-11-3	-	-	-	-	-	Red, Liquid	<b>30</b>	<b>5</b>
<b>Dialkyl Peroxides</b>	<b>Di-tert-Butyl Peroxide DTBP</b>			<b>203-733-6</b>						
EFOX® 20		110-05-4	3107	Min. 10,83	Min.99	80	-	Clear, Liquid	<b>40</b>	<b>-30</b>
EFOX® 20 S50		110-05-4	3107	5,36 - 5,58	Min.99	80	Isododecane	Clear, Liquid	<b>40</b>	<b>-30</b>
<b>Peroxyesters</b>	<b>tert-Butyl Peroxybenzoate TBPB</b>			<b>210-382-2</b>						
EFOX® 30		614-45-9	3103	Min. 8,07	Min. 98	60	-	Clear, Liquid	<b>25</b>	<b>10</b>
<b>Peroxyesters</b>	<b>tert-Butyl Peroxy-3,5,5-Trimethylhexanoate TBPIN</b>			<b>236-050-7</b>						
EFOX® 60		13122-18-4	3105	Min. 6,73	Min. 97	55	-	Clear, Liquid	<b>25</b>	<b>-20</b>
<b>Peroxyesters</b>	<b>tert-Butyl Peroxy 2-Ethylhexyl Carbonate TBPEHC</b>			<b>252-029-5</b>						
EFOX® 90		34443-12-4	3105	Min. 6,17	Min. 95	60	-	Clear, Liquid	<b>20</b>	<b>-20</b>
<b>Peroxyesters</b>	<b>tert-Amyl Peroxy 2-Ethylhexyl Carbonate TAPEHC</b>			<b>247-919-2</b>						
EFOX® 131		70833-40-8	3105	Min. 5,77	Min. 94	55	-	Clear, Liquid	<b>20</b>	<b>-</b>

# 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

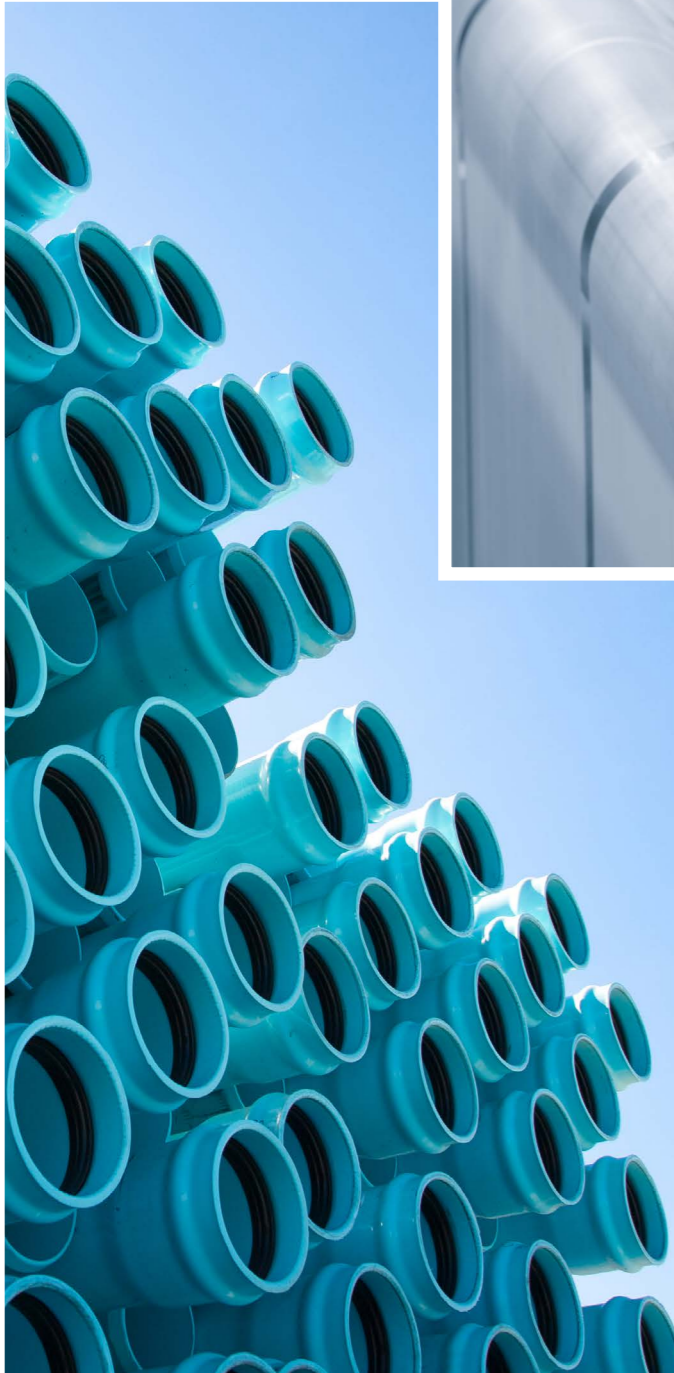
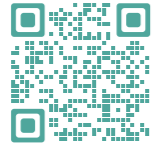
PRODUCT NAME	Putties	Button	Anchor and Bolt	Coating	Gelcoat	Hand Lay Up, Spray Up	Polymer Concrete, Marble	RTM	Centrifugal Casting	Continuous Laminating	Filament Winding	Hot Press Moulding	Pultrusion	Acrylic	Vinylester Resin	SMC, BMC	LDPE	PMMA	Polystyrene	Road Marking	Rubber (ABS & SBR)	PAGE
AKPEROX® 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

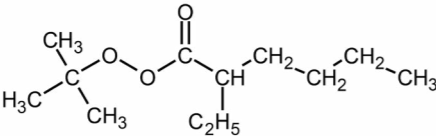
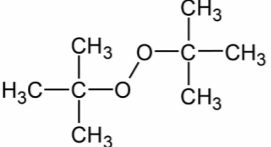
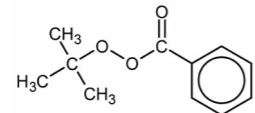
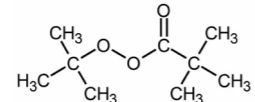
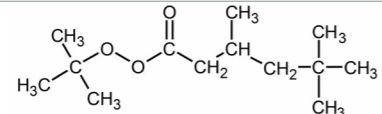
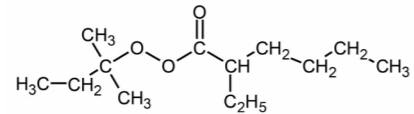
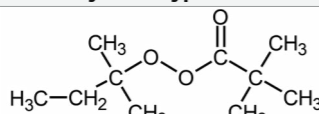
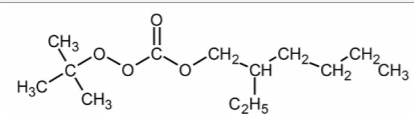
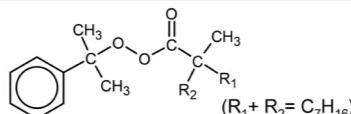
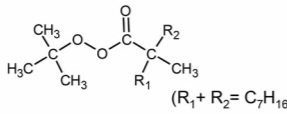
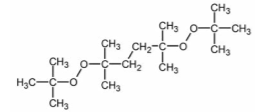


# Polymerization Initiators

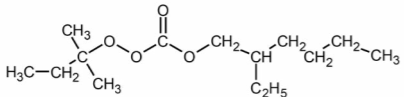
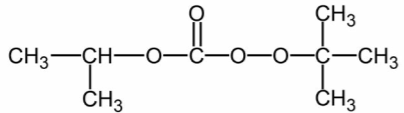
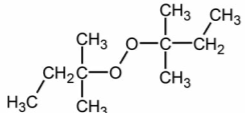
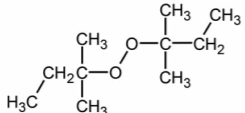
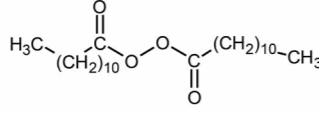
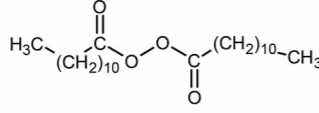
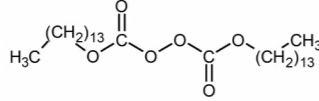
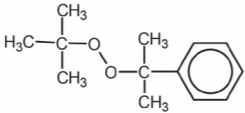
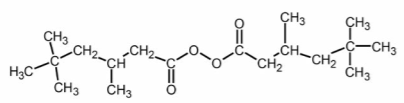
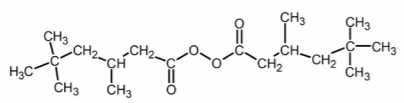
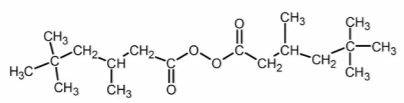
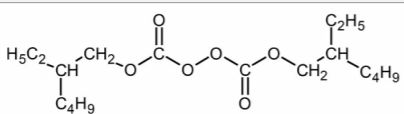
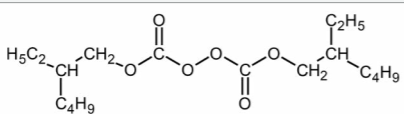
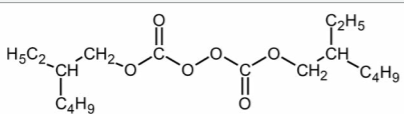
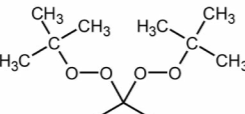
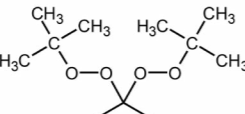
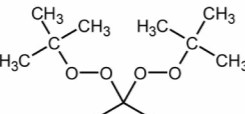
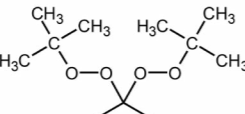
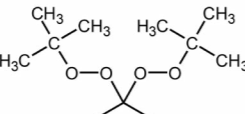
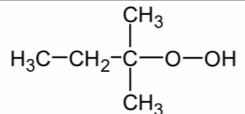
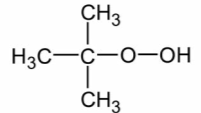
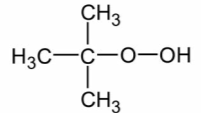
AKPA is one of the leading manufacturers supplying reaction and polymerization initiators to producers in the petrochemical industry. Except for its wide range of products, by producing high quality and high-tech productions in the values demanded by customers, it contributes largely to the sector.



POLYMERIZATION INITIATORS

TYPE OF INITIATORS 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)
<b>Peroxyesters</b>	<b>tert-Butylperoxy-2-Ethylhexanoate TBPEH</b>			<b>221-110-7</b>						
EFOX® 10		3006-82-4	3113	min. 7,18	min. 99	35	-	Clear, Liquid	10	-30
EFOX® 10 S30		3006-82-4	3119	2,15 - 2,30	29 - 31	25	Isododecane	Clear, Liquid	10	-
EFOX® 10 S50		3006-82-4	3119	3,55 - 3,70	48 - 50	40	Isododecane	Clear, Liquid	10	-30
EFOX® 10 S90		3006-82-4	3113	6,44 - 6,69	87 - 91	35	Isododecane	Clear, Liquid	15	-20
<b>Dialkyl Peroxides</b>	<b>Di-tert-Butyl Peroxide DTBP</b>			<b>203-733-6</b>						
EFOX® 20		110-05-4	3107	min. 10,83	min. 99	80	-	Clear, Liquid	40	-30
EFOX® 20 S30		110-05-4	3109	3,17 - 3,39	29 - 31	80	Isododecane	Clear, Liquid	40	-30
EFOX® 20 S50		110-05-4	3109	5,36 - 5,58	49 - 51	80	Isododecane	Clear, Liquid	40	-30
EFOX® 20 S500		110-05-4	3107	min. 10,83	min. 99	80	-	Clear, Liquid	40	-30
<b>Peroxyesters</b>	<b>tert-Butyl Peroxybenzoate TBPB</b>			<b>210-382-2</b>						
EFOX® 30		614-45-9	3103	min. 8,07	min. 98	60	-	Clear, Liquid	25	10
<b>Peroxyesters</b>	<b>tert-Butyl Peroxypivalate TBPP</b>			<b>213-147-2</b>						
EFOX® 50		927-07-1	3113	6,79 - 6,98	74 - 76	20	-	Colorless, Liquid	-5	-15
EFOX® 50 S25		927-07-1	3119	2,20 - 2,36	24 - 26	25	Isododecane	Clear, Liquid	-5	-20
<b>Peroxyesters</b>	<b>tert-Butyl Peroxy-3,5,5-Trimethylhexanoate TBPIN</b>			<b>236-050-7</b>						
EFOX® 60		13122-18-4	3105	min. 6,73	min. 97	55	-	Clear, Liquid	25	-20
EFOX® 60 S30		13122-18-4	3109	2,02 - 2,16	29 - 31	55	Isododecane	Clear, Liquid	25	-20
<b>Peroxyesters</b>	<b>tert-Amyl Peroxy-2-Ethylhexanoate TAPEH</b>			<b>211-687-3</b>						
EFOX® 70		686-31-7	3115	min. 6,60	min. 95	35	-	Clear, Liquid	5	-20
<b>Peroxyesters</b>	<b>tert-Amyl Peroxypivalate TAPP</b>			<b>64741-65-7</b>						
EFOX® 80		29240-17-3	3113	6,29 - 6,46	74 - 76	25	-	Clear, Liquid	-10	-30
<b>Peroxyesters</b>	<b>tert-Butyl Peroxy 2-Ethylhexyl Carbonate TBPEHC</b>			<b>252-029-5</b>						
EFOX® 90		34443-12-4	3105	min. 6,17	min. 95	60	-	Clear, Liquid	20	-20
<b>Peroxyesters</b>	<b>Cumyl Peroxyneodecanoate CUPND</b>			<b>247-956-7</b>						
EFOX® 99 S75		26748-47-0	3115	3,86 - 3,97	74 - 76	10	Isododecane	Clear, Liquid	-20	-
<b>Peroxyesters</b>	<b>tert-Butyl Peroxyneodecanoate TBPND</b>			<b>247-955-1</b>						
EFOX® 100		26748-41-4	3115	min. 6,29	min. 96	15	-	Clear, Liquid	-10	-20
EFOX® 100 S75		26748-41-4	3115	4,84 - 4,98	74 - 76	20	Isododecane	Clear, Liquid	-10	-20
<b>Dialkyl Peroxides</b>	<b>2,5-Dimethyl-2,5-Di(tert-Butylperoxy)Hexane DHBP</b>			<b>201-128-1</b>						
EFOX® 101		78-63-7	3103	min. 10,14	min. 92	80	-	Clear, Liquid	40	10

POLYMERIZATION INITIATORS

TYPE OF INITIATORS 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)
<b>Peroxyesters</b>	<b>tert-Amylperoxy 2-Ethylhexyl Carbonate TAPEHC</b>			<b>274-919-2</b>						
EFOX® 131		70833-40-8	3105	min. 5,77	min. 94	55	-	Clear, Liquid	<b>20</b>	-
<b>Peroxyesters</b>	<b>tert-Butyl Peroxy Isopropyl Carbonate TBPIC</b>			<b>219-143-7</b>						
EFOX® BPIC S75		2372-21-6	3103	6,72 - 6,90	74 - 76	70	Isododecane	Clear, Liquid	<b>25</b>	<b>-20</b>
<b>Dialkyl Peroxides</b>	<b>Di-tert-Amyl Peroxide DTAP</b>			<b>234-042-8</b>						
EFOX® DTAP		10508-09-5	3107	min. 8,90	min. 97	80	-	Colorless, Liquid	<b>30</b>	-
EFOX® DTAP S85		10508-09-5	3107	min. 7,81	min. 85	80	-	Yellowish, Liquid	<b>30</b>	-
<b>Dialkyl Peroxides</b>	<b>Di Lauroyl Peroxide LP</b>			<b>203-326-3</b>						
EFOX® LP		105-74-8	3106	min. 3,93	min. 98	50	-	White, Flakes	<b>30</b>	-
EFOX® LP Special		105-74-8	3106	min. 3,97	min. 99	50	-	White, Powder	<b>30</b>	-
<b>Peroxydicarbonates</b>	<b>Di-Myristyl Peroxydicarbonate MYPC</b>			<b>258-436-4</b>						
EFOX® MyPC		53220-22-7	3116	min. 2,95	min. 95	35	-	White, Greasy Flakes	<b>15</b>	-
<b>Dialkyl Peroxides</b>	<b>tert-Butyl Cumyl Peroxide TBCUP</b>			<b>222-389-8</b>						
EFOX® T801		3457-61-2	3109	7,22 - 7,39	94 - 96	80	-	Clear, Liquid	<b>40</b>	-
<b>Dialkyl Peroxides</b>	<b>Di(3,5,5-trimethylhexanoyl) Peroxide INP</b>			<b>223-356-0</b>						
AKPEROX® CAT K		3851-87-4	3115	3,76 - 3,88	74 - 76	10	Isododecane	Clear, Liquid	<b>-5</b>	<b>-10</b>
AKPEROX® CAT K S50		3851-87-4	3119	2,50 - 2,60	49 - 51		Isododecane	Clear, Liquid	<b>5</b>	<b>-5</b>
AKPEROX® CAT K W50		3851-87-4	3119	2,50 - 2,60	49 - 51	25	Water and Methanol	White, Liquid Emulsion	<b>0</b>	<b>-22</b>
<b>Percarbonates</b>	<b>Di(2-ethylhexyl) Peroxydicarbonate EHPHC</b>			<b>240-282-4</b>						
AKPEROX® EHP60		16111-62-9	3119	2,68 - 2,86	58 - 62	0	Water and Methanol	White, Liquid Emulsion	<b>-15</b>	-
AKPEROX® EHP65		16111-62-9	3115	2,91 - 3,09	63 - 67	5	Mineral Spirit	Clear, Liquid	<b>-15</b>	-
AKPEROX® EHP75W		16111-62-9	3115	3,41 - 3,51	74 - 76	5	Mineral Spirit	Clear, Liquid	<b>-15</b>	<b>-25</b>
<b>Peroxyketals</b>	<b>1,1-Di(tert-Butylperoxy)-3,3,5-Trimethylcyclohexane TMCH</b>			<b>229-782-3</b>						
AKPEROX® PK295 D50		6731-36-8	3107	5,20 - 5,40	49 - 51	60	Mineral Spirit	Clear, Liquid	<b>25</b>	-
AKPEROX® PK295 D90		6731-36-8	3103	9,42 - 9,52	89 - 90	60	Mineral Spirit	Clear, Liquid	<b>25</b>	-
AKPEROX® PK295 S50		6731-36-8	3107	5,20 - 5,40	49 - 51	60	Isododecane	Clear, Liquid	<b>25</b>	-
AKPEROX® PK295 S75		6731-36-8	3103	7,83 - 8,04	74 - 76	60	Isododecane	Clear, Liquid	<b>25</b>	-
AKPEROX® PK295 S90		6731-36-8	3103	9,42 - 9,52	89 - 90	60	Isododecane	Clear, Liquid	<b>25</b>	-
<b>Hydroperoxides</b>	<b>tert-Amyl Hydroperoxide TAHP</b>			<b>222-321-7</b>						
AKPEROX® TAHP 85		3425-61-4	3107	12,80 - 13,10	84 - 86	80	Water	Clear to Slight Hazy, Liquid	<b>30</b>	-
<b>Hydroperoxides</b>	<b>tert-Butyl Hydroperoxide TBHP</b>			<b>200-915-7</b>						
AKPEROX® TBHP 70		75-91-2	3109	12,24 - 12,61	69 - 71	80	Water	Clear to Slight Hazy, Liquid	<b>30</b>	<b>0</b>
AKPEROX® TBHP 80		75-91-2	3103	14,04 - 14,40	79 - 81	80	Water	Clear to Slight Hazy, Liquid	<b>30</b>	<b>0</b>

# Applications

## POLYMERIZATION INITIATORS

PRODUCT NAME	Anchor and Bolt	Coating	Polymer Concrete, Marble	Continuous Laminating	Filament Winding	Hot Press Moulding	Pultrusion	Acrylic	Vinylester Resin	SMC, BMC	LDPE	PMMA	POLYSTYRENE	PVC	Rubber (ABS & SBR)	EVA, POE	PAGE
EFOX® 10		●					●	●		●	●	●		●			18
EFOX® 10 S30										●	●	●					18
EFOX® 10 S50		●					●	●		●	●	●		●			18
EFOX® 10 S90							●	●		●	●	●					18
EFOX® 20		●					●	●		●	●	●			●		18
EFOX® 20 S30										●	●	●			●		18
EFOX® 20 S50		●					●	●	●	●	●	●			●		18
EFOX® 20 S500		●					●	●	●	●	●	●			●		18
EFOX® 30						●	●	●	●	●	●	●	●		●		18
EFOX® 50							●	●		●	●	●		●			18
EFOX® 50 S25										●	●	●					18
EFOX® 60					●	●	●	●	●	●	●	●	●				18
EFOX® 60 S30										●	●	●					18
EFOX® 70						●	●	●	●	●	●	●	●		●		18
EFOX® 80										●	●	●			●		18
EFOX® 90	●		●			●	●	●	●	●	●	●	●			●	18
EFOX® 99 S75										●	●	●			●		18
EFOX® 100										●	●	●			●		18
EFOX® 100 S75										●	●	●			●		18
EFOX® 101										●	●	●			●	●	18
EFOX® 131										●	●	●			●		20
EFOX® BPIC S75				●		●	●	●	●								20
EFOX® DTAP		●					●	●									20
EFOX® DTAP S85		●					●	●									20
EFOX® LP							●	●		●	●	●	●	●			20
EFOX® LP Special							●	●		●	●	●	●	●			20
EFOX® MyPC														●			20
EFOX® T801							●	●		●	●	●			●		20
AKPEROX® CAT K										●	●	●			●		20
AKPEROX® CAT K S50										●	●	●			●		20
AKPEROX® CAT K W50										●	●	●			●		20
AKPEROX® EHP60										●	●	●					20
AKPEROX® EHP65										●	●	●					20
AKPEROX® EHP75W										●	●	●					20
AKPEROX® PK295 D50						●	●			●	●	●					20
AKPEROX® PK295 D90						●	●			●	●	●					20
AKPEROX® PK295 S50						●	●			●	●	●					20
AKPEROX® PK295 S75						●	●			●	●	●					20
AKPEROX® PK295 S90						●	●			●	●	●	●	●			20
AKPEROX® TAH P 85												●	●				20
AKPEROX® TBHP 70							●	●		●	●	●					20
AKPEROX® TBHP 80							●	●		●	●	●					20

● Recommended application    ● Possible application

## PETROCHEMICAL APPLICATIONS



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# Accelerators

Accelerators are chemicals that activate the peroxide. Most of the cobalt and amine-based accelerator activate the peroxide at room temperature or lower temperatures.



# ACCELERATORS

TYPE OF ACCELERATORS PRODUCT NAME	CHEMICAL NAME	CAS NUMBER	UN No	EINECS/ ELINCS No	DILUENT	PHYSICAL FORM	STORAGE TEMPERATURES	
							Ts max.(°C)	Ts min.(°C)
<b>Cobalt</b>	<b>Cobalt(II) 2-Ethylhexanoate Co</b>							
AKCOBALT® 12%, 10%, 8%, 6%, 4%, 2%, 1%, 0,5%		136-52-7	1993	205-250-6	Styrene, Toluene, TXIB, Xylene	Violet Blue, Liquid	30	5
AKCOBALT® KXC6		136-52-7	1993	205-250-6	Toluene	Violet Blue, Liquid	30	5
AKCOBALT® KXC8		136-52-7	1993	205-250-6	Toluene	Violet Blue, Liquid	30	5
AKCOBALT® KXC10W		136-52-7	1993	205-250-6	Toluene	Light Blue, Liquid	30	5
AKCOBALT® KXC12W		136-52-7	1993	205-250-6	Toluene	Violet Blue, Liquid	30	5
AKCOBALT® SR6		136-52-7	1993	205-250-6	Toluene	Violet Blue, Liquid	30	5
<b>Cobalt</b>	<b>Cobalt(II) 2-Ethylhexanoate Co</b>							
AKCOBALT® CX60-D		136-52-7; 64742-48-9	3082	205-250-6; 265-150-3	Special Mineral Spirit	Blue-Light Purple, Liquid	30	5
<b>Cobalt</b>	<b>Cobalt(II) 2-Ethylhexanoate Co</b>							
AKCOBALT® RC88 (colorless cobalt)		136-52-7	1993	205-250-6	Aromatic Solvent	Dark Blue	30	5
<b>Blend Type Accelerator</b>	<b>Cobalt(II) 2-Ethylhexanoate and N,N Dimethylaniline</b>							
AKCOBALT® DX3		136-52-7; 121-69-7	1993	205-250-6; 204-493-5	White Spirit	Bright Blue, Liquid	30	5
<b>Aniline</b>	<b>N,N Dimethylaniline DMA</b>							
AKQUICK® T10		121-69-7	2253	204-493-5	TXIB	Yellowish, Foggy	30	5
AKQUICK® T100		121-69-7	2253	204-493-5	-	Yellowish, Transparent	30	5
<b>Toluidine</b>	<b>Diethanol-Para-Toluidine DEPT</b>							
AKQUICK® T150		3077-12-1	-	221-359-1	-	Yellowish, Liquid to Waxy	30	5
<b>Toluidine</b>	<b>N,N-Dimethyl-P-Toluidine DMPT</b>							
AKQUICK® T300		99-97-8	2810	202-805-4	-	Clear Light Yellow to Light Brown, Liquid	30	5
<b>Toluidine</b>	<b>Diisopropanol-P-Toluidine DIIPT</b>							
AKQUICK® T400		38668-48-3	2811	254-075-1	-	Colourless to Yellow, Pasty	30	5
-	<b>4-tert-Butyl-1,2-Dihydroxy Benzene TBC</b>							
AKQUICK® T500		98-29-3	1760	202-653-9	Aliphatic Ester	Yellowish, Clear, Liquid	30	5
-	<b>4-tert-Butylpyrocatechol TBC</b>							
AKPEROX® TBC		98-29-3	3261	202-653-9	-	White, Creamy Flakes	30	-
-	<b>Acetylacetone AA</b>							
AKPROMOTER P100		123-54-6	2310	204-634-0	-	Colorless, Transparent, Liquid	25	5
<b>Potassium Octoate</b>	<b>Potassium Octoate K</b>							
AKDRY® K Octoate 15%		3164-85-0	-	221-625-7	DEG	Clear, Transparent, Liquid	40	15

# Applications

PRODUCT NAME	ACCELERATORS														PAGE				
	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	PMMA	Polystyrene
AKCOBALT® 12%	●	●	●	●	●	●	●	●	●	●	●	●	●	●					26
AKCOBALT® 10%	●	●	●	●	●	●	●	●	●	●	●	●	●	●					26
AKCOBALT® 8%	●	●	●	●	●	●	●	●	●	●	●	●	●	●					26
AKCOBALT® 6%	●	●	●	●	●	●	●	●	●	●	●	●	●	●					26
AKCOBALT® 4%	●	●	●	●	●	●	●	●	●	●	●	●	●	●					26
AKCOBALT® 2%	●	●	●	●	●	●	●	●	●	●	●	●	●	●					26
AKCOBALT® 1%	●	●	●	●	●	●	●	●	●	●	●	●	●	●					26
AKCOBALT® 0,5%	●	●	●	●	●	●	●	●	●	●	●	●	●	●					26
AKCOBALT® KXC6		●		●			●												26
AKCOBALT® KXC8		●		●			●												26
AKCOBALT® KXC10W		●		●			●												26
AKCOBALT® KXC12W		●		●			●												26
AKCOBALT® SR6		●		●			●												26
AKCOBALT® CX60-D	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●				26
AKCOBALT® RC88	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●				26
AKCOBALT® DX3		●		●			●								●				26
AKQUICK® T10	●		●				●												26
AKQUICK® T100	●		●				●												26
AKQUICK® T150				●			●						●	●		●			26
AKQUICK® T300		●		●	●	●	●	●	●	●	●			●					26
AKQUICK® T400				●			●					●	●		●				26
AKQUICK® T500							●			●					●				26
AKPEROX® TBC										●									26
AKPROMOTER P100															●	●			26
AKDRY® K Octoate 15%																			26

● Recommended application    ● Possible application

# COMPOSITE APPLICATIONS



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# Paint Driers

## Applications

Industrial

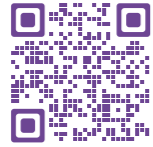
Car Refinish

Architectural

Marine

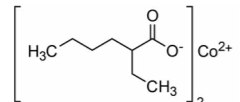
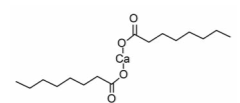
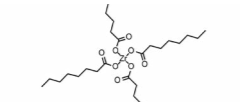
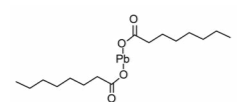
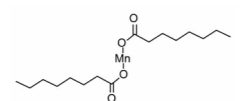
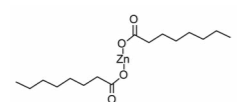
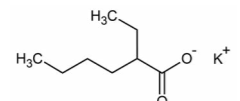
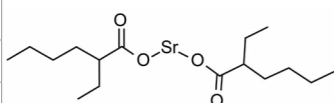
Wood

Ink





## PAINT DRIERS

PRODUCT NAME	MOLECULAR FORMULA	METAL CONTENT (%)	PHYSICAL FORM	STORAGE TEMPERATURES	
				Ts max.(°C)	Ts min.(°C)
AKDRY® Co Octoate		12, 10, 8, 6, 4, 2, 1	Dark Purple, Liquid	25	20
AKDRY® Ca Octoate		10, 6, 5, 4	Yellowish, Transparent, Liquid	25	20
AKDRY® Zr Octoate		24, 18, 16, 12, 10, 6	Clear, Transparent, Liquid	25	20
AKDRY® Pb Octoate		36, 32, 30, 24	Clear, Transparent, Liquid	25	20
AKDRY® Mn Octoate		10, 8, 6	Brown, Liquid	25	20
AKDRY® Zn Octoate		18, 16, 12, 10, 8, 6	Clear, Transparent, Liquid	25	20
AKDRY® K Octoate		15, 10	Clear, Liquid	25	20
AKDRY® Sr Octoate		10, 8, 6	Transparent, Liquid	25	20
AKDRY® CT39		-	Violet Blue, Liquid	25	20
AKDRY® HP39		-	Transparent, Liquid	25	20
AKDRY® MIX - 1		1, 8, 6	Violet Blue, Liquid	25	20
AKDRY® MIX - 2		2, 8, 6	Violet Blue, Liquid	25	20
AKDRY® MIX - 3		3, 8, 6	Violet Blue, Liquid	25	20
AKDRY® MIX D		-	Red-Brown, Liquid	25	20
AKDRY® MIX D15		15	Dark Purple, Liquid	25	20
AKDRY® MIX D34		8,8	Violet Blue, Liquid	25	20
AKDRY® MIX Z59		10,2	Violet Blue, Liquid	25	20

- **Acids:** 2-EHA, Neodecanoic.
- **Solvents:** White Spirit, D 60, D 80, Toluene, Xylene, Styrene, TXIB.
- **Packaging:** 25 & 50 lt Pails, 200 lt Metal Drums, 1000 lt IBC's.
- **Mixed Driers:** Tailor Made blends available.

## PAINT INDUSTRY APPLICATIONS



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## 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 peroxyvalerate 75% .	[TBPP]	18
EFOX® 50 S25	tert-Butyl peroxyvalerate 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 peroxyvalerate 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]	27
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



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