



**ORGANIC PEROXIDES
& INITIATORS**

AKPEROX A1

METHYL ETHYL KETONE PEROXIDE

• Product Code

AKPEROX A1

• Description

Methyl Ethyl Ketone Peroxide solution

• Specifications

Density (@20°C)	1,16 gr/cm ³
Appearance	Colorless Liquid
Diluent	DMP
Active Oxygen Content	9,4% - 9,6%
Peroxide Content	33% - 37%
SADT	60°C
CAS Nr	1338-23-4
EINECS/ELINCS Nr	215-661-2
UN Nr	3105

• Applications

AKPEROX A1 is a general purpose MEKP for curing unsaturated polyester (UP) resins at room temperature. Generally used together with metal salts as accelerators.

• Usage & Amount

It is recommended to use 1% - 2% in general, depending on application. It needs to be used with Cobalt accelerators at room temperature. (E.g. AKCOBALT 1%)

• Packaging

30 kgs PE Pail
5 kgs PE Pail
4x5 kgs in a Carton Box

• Handling & Storage

Recommended storage temperature is between +5 °C and +30 °C. Keep pails tightly closed. Store and handle in a dry, well-ventilated place. Keep away from sources of heat, ignition and direct sunlight in original packaging. Provide grounding and venting in order to prevent static electricity build-up. Avoid any contact with Amine and Cobalt accelerators, acids, alkalis and heavy metal compounds such as driers and metal soaps.

• Shelf Life

6 Months
For unopened packages at recommended storage conditions



AKPEROX A2

METHYL ETHYL KETONE PEROXIDE



Product Code •

AKPEROX A2

Description •

Methyl Ethyl Ketone Peroxide solution

Specifications •

Density (@20°C)	1,16 gr/cm ³
Appearance	Colorless Liquid
Diluent	DMP
Active Oxygen Content	8,9% - 9,1%
Peroxide Content	33% - 37%
SADT	60°C
CAS Nr	1338-23-4
EINECS/ELINCS Nr	215-661-2
UN Nr	3105

Applications •

AKPEROX A2 is a general purpose MEKP for curing unsaturated polyester (UP) resins at room temperature. Generally used together with metal salts as accelerators. AKPEROX A2 provides faster curing and gelling time than AKPEROX A1.



Usage & Amount •

It is recommended to use 1% - 2% in general, depending on application. It needs to be used with Cobalt accelerators at room temperature. (E.g. AKCOBALT 1%)

Packaging •

30 kgs PE Pail
5 kgs PE Pail
4x5 kgs in a Carton Box

Handling & Storage •

Recommended storage temperature is between +5 °C and +30 °C. Keep pails tightly closed. Store and handle in a dry, well-ventilated place. Keep away from sources of heat, ignition and direct sunlight in original packaging. Provide grounding and venting in order to prevent static electricity build-up. Avoid any contact with Amine and Cobalt accelerators, acids, alkalis and heavy metal compounds such as driers and metal soaps.

Shelf Life •

6 Months
For unopened packages at recommended storage conditions

AKPEROX A30

METHYL ETHYL KETONE PEROXIDE

• Product Code

AKPEROX A30

• Description

Solution of Methyl Ethyl Ketone Peroxide in DiMethyl Phthalate

• Specifications

Density (@20°C)	1,18 gr/cm ³
Appearance	Colorless Liquid
Diluent	DMP
Active Oxygen Content	5,3% - 5,5%
Peroxide Content	15% - 30%
SADT	60°C
CAS Nr	1338-23-4
EINECS/ELINCS Nr	215-661-2
UN Nr	3107

• Applications

AKPEROX A30 is a general purpose MEKP for curing unsaturated polyester (UP) resins at room and elevated temperature. Akperox A30 is a version of Akperox A50 and main application area is spray up, when certain dosage needed. Akperox A30 is also suitable for curing of gel coat resins and laminating resins. Especially in hot whether it is better to use diluted Akperox A30 for tubs and shower pans.

• Usage & Amount

It is recommended to use 1% - 2% in general, depending on application. It needs to be used with Cobalt accelerators at room temperature. (E.g. AKCOBALT 1%)

• Packaging

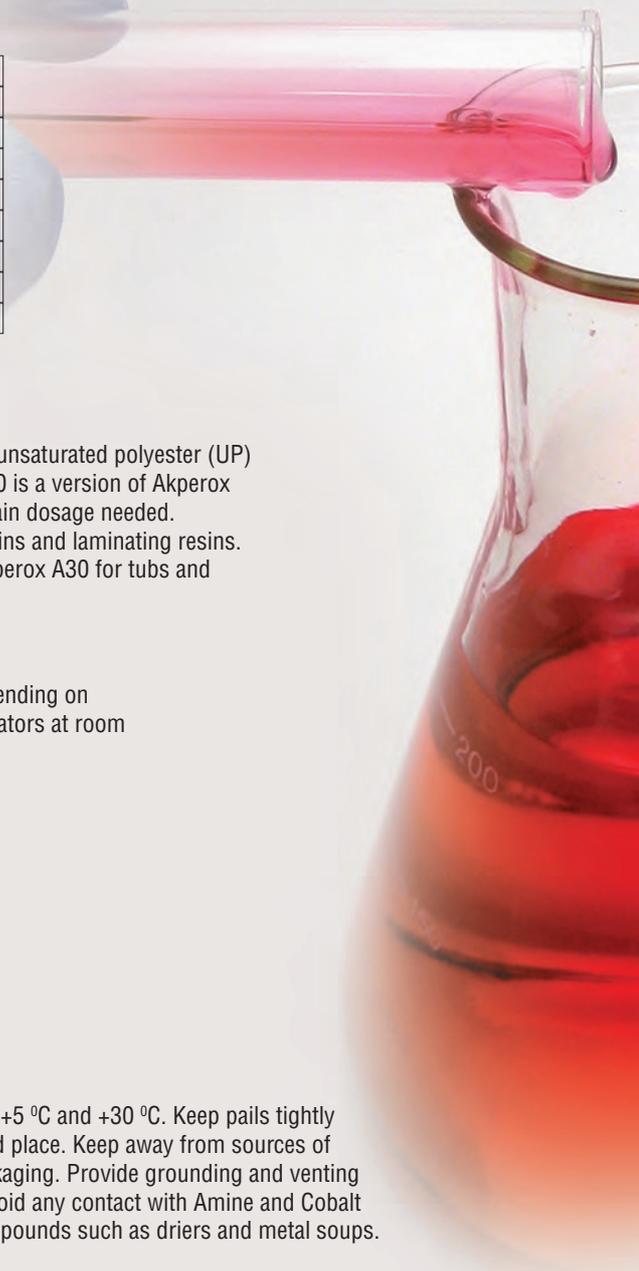
30 kgs PE Pail
5 kgs PE Pail
4x5 kgs in a Carton Box

• Handling & Storage

Recommended storage temperature is between +5 °C and +30 °C. Keep pails tightly closed. Store and handle in a dry, well-ventilated place. Keep away from sources of heat, ignition and direct sunlight in original packaging. Provide grounding and venting in order to prevent static electricity build-up. Avoid any contact with Amine and Cobalt accelerators, acids, alkalis and heavy metal compounds such as driers and metal soaps.

• Shelf Life

6 Months
For unopened packages at recommended storage conditions



AKPEROX A50

METHYL ETHYL KETONE PEROXIDE

Product Code •

AKPEROX A50

Description •

Methyl Ethyl Ketone Peroxide in DiMethyl Phthalate

Specifications •

Density (@20°C)	1,18 gr/cm ³
Appearance	Colorless Liquid
Diluent	DMP
Active Oxygen Content	8,8% - 9,0%
Peroxide Content	30%-37%
SADT	60°C
CAS Nr	1338-23-4
EINECS/ELINCS Nr	215-661-2
UN Nr	3105

Applications •

AKPEROX A50 is a general purpose MEKP for curing unsaturated polyester (UP) resins at room temperature. Generally used together with metal salts as accelerators. Suitable for the curing of gelcoat resins, laminating (coating), vinylester, fiber, button, dope and casting type polyester resins as well as GRP applications. Particularly suitable for gelcoat applications with proven low water content. (E.g. Pipe production, marine applications, cabinet production etc.)

Usage & Amount •

It is recommended to use 1% - 2% in general, depending on application. It needs to be used with Cobalt accelerators at room temperature. (E.g. AKCOBALT 1%)

Packaging •

AKPEROX A50 is also available in Red Liquid form.

30 kgs PE Pail
5 kgs PE Pail
4x5 kgs in a Carton Box

Handling & Storage •

Recommended storage temperature is between +5 °C and +30 °C. Keep pails tightly closed. Store and handle in a dry, well-ventilated place. Keep away from sources of heat, ignition and direct sunlight in original packaging. Provide grounding and venting in order to prevent static electricity build-up. Avoid any contact with Amine and Cobalt accelerators, acids, alkalis and heavy metal compounds such as driers and metal soaps.

Shelf Life •

6 Months
For unopened packages at recommended storage conditions



AKPEROX A60

METHYL ETHYL KETONE PEROXIDE

• Product Code

AKPEROX A60

• Description

Solution of Methyl Ethyl Ketone Peroxide in DiMethyl Phthalate

• Specifications

Density (@20°C)	1,17 gr/cm ³
Viscosity (@20°C)	25 mPa.s
Appearance	Colorless Liquid
Diluent	DMP
Active Oxygen Content	9,8% - 10,0%
Peroxide Content	34% - 36%
SADT	60°C
CAS Nr	1338-23-4
EINECS/ELINCS Nr	215-661-2
UN Nr	3105

• Applications

AKPEROX A60 is a general purpose MEKP for curing unsaturated polyester (UP) resins at room and high temperatures. Suitable for the curing of gelcoat, vinylester resins, button type resins, as well as general purpose resins, dope and casting type polyester resins. Provides earlier gel and cure time than AKPEROX A50. Particularly recommended to be used in GRP Pipe production and general purpose applications.

• Usage & Amount

It is recommended to use 1% - 2% in general, depending on application. It needs to be used with Cobalt accelerators at room temperature. (E.g. AKCOBALT 1%)

• Packaging

30 kgs PE Pail
5 kgs PE Pail
4x5 kgs in a Carton Box

AKPEROX A60 is also available in Red Liquid form.

• Handling & Storage

Recommended storage temperature is between +5 °C and +30 °C. Keep pails tightly closed. Store and handle in a dry, well-ventilated place. Keep away from sources of heat, ignition and direct sunlight in original packaging. Provide grounding and venting in order to prevent static electricity build-up. Avoid any contact with Amine and Cobalt accelerators, acids, alkalis and heavy metal compounds such as driers and metal soaps.

• Shelf Life

6 Months
For unopened packages at recommended storage conditions



AKPEROX LPT

METHYL ETHYL KETONE PEROXIDE

Product Code •

AKPEROX LPT

Description •

Solution of Methyl Ethyl Ketone Peroxide in DiMethyl Phthalate

Specifications •

Density (@20°C)	1,06 gr/cm ³
Viscosity (@20°C)	28 mPa.s
Appearance	Colorless Liquid
Diluent	DIBP
Active Oxygen Content	8,4% - 8,6%
Peroxide Content	34% - 36%
SADT	60°C
CAS Nr	1338-23-4
EINECS/ELINCS Nr	215-661-2
UN Nr	3105

Applications •

AKPEROX LPT is a general purpose MEKP for curing unsaturated polyester (UP) resins at room and high temperatures. In a comparison with other Ketone peroxides, LPT provides longer gel time. Particularly suitable for long gel time needed applications as well as production of big parts and coiling type pipe production. Recommended to be used with vinylester resins. Suitable for gelcoat applications in point of low Hydrogen Peroxide besides low water content in order to prevent bubbles and cracks for better surface quality.

Usage & Amount •

It is recommended to use 1% - 2% in general, depending on application. It needs to be used with Cobalt accelerators at room temperature. (E.g. AKCOBALT 1%)

Packaging •

30 kgs PE Pail
5 kgs PE Pail
4x5 kgs in a Carton Box

Handling & Storage •

Recommended storage temperature is between +5 °C and +25 °C. Keep pails tightly closed. Store and handle in a dry, well-ventilated place. Keep away from sources of heat, ignition and direct sunlight in original packaging. Provide grounding and venting in order to prevent static electricity build-up. Avoid any contact with Amine and Cobalt Accelerators, acids, alkalis and heavy metal compounds such as driers and metal soups.

Shelf Life •

3 Months
For unopened packages at recommended storage conditions



AKPEROX DT

METHYL ETHYL KETONE PEROXIDE SOLUTION FOR BUTTON TYPE POLYESTER RESINS

• Product Code

AKPEROX DT

• Description

Methyl Ethyl Ketone Peroxide solution for button thpe polyester resins

• Specifications

Density (@20°C)	1,16 gr/cm ³
Appearance	Colorless Liquid
Diluent	DMP
Active Oxygen Content	9,4% - 9,6%
Peroxide Content	40%
SADT	60°C
CAS Nr	1338-23-4
EINECS/ELINCS Nr	215-661-2
UN Nr	3105

• Applications

AKPEROX DT is the MEKP developed for the curing of button type unsaturated polyester (UP) resins at room temperature. Generally used together with metal salts as accelerators.

• Usage & Amount

It is recommended to use 1% - 2% in general, depending on application. It needs to be used with Cobalt accelerators at room temperature. (E.g. AKCOBALT 1%)

• Packaging

30 kgs PE Pail
5 kgs PE Pail
4x5 kgs in a Carton Box

• Handling & Storage

Recommended storage temperature is between +5 °C and +30 °C. Keep pails tightly closed. Store and handle in a dry, well-ventilated place. Keep away from sources of heat, ignition and direct sunlight in original packaging. Provide grounding and venting in order to prevent static electricity build-up. Avoid any contact with Amine and Cobalt accelerators, acids, alkalis and heavy metal compounds such as driers and metal soups.

• Shelf Life

6 Months
For unopened packages at recommended storage conditions



AKPEROX MIKP

METHYL ISOBUTYL KETONE PEROXIDE



Product Code •

AKPEROX MIKP

Description •

Methyl Isobutyl Ketone Peroxide in Isododecane

Specifications •

Density (@20°C)	0,89 gr/cm ³
Viscosity (@20°C)	4,90 mPa.s
Appearance	Colorless Liquid
Diluent	Isododecane
Active Oxygen Content	10,0% - 10,5%
Peroxide Content	45%
SADT	50°C
CAS Nr	37206-20-5
EINECS/ELINCS Nr	253-396-4
UN Nr	3105

Applications •

AKPEROX MIKP is used for the curing of unsaturated polyester (UP) resins between temperatures 60-150 °C in existence of Cobalt accelerator. (E.g. AKCOBALT %6) Combination application with Cobalt accelerator provides longer gel time at room temperature. In order to get short cure time, should be used at 60 – 100 °C. Apart from that, AKPEROX MIKP can provide high reactivity at high temperatures even without Cobalt accelerator. Particularly suitable for production of roof coating materials.



Usage & Amount

It is recommended to use 1% - 2% in general, depending on application. It needs to be used with Cobalt accelerators at room temperature. (E.g. AKCOBALT 1%)

Packaging •

30 kgs PE Pail
5 kgs PE Pail
4x5 kgs in a Carton Box

Handling & Storage •

Recommended storage temperature is between +5 °C and +25 °C. Keep pails tightly closed. Store and handle in a dry, well-ventilated place. Keep away from sources of heat, ignition and direct sunlight in original packaging. Provide grounding and venting in order to prevent static electricity build-up. Avoid any contact with Amine and Cobalt Accelerators, acids, alkalis and heavy metal compounds such as driers and metal soaps.

Shelf Life •

6 Months
For unopened packages at recommended storage conditions

AKPEROX A50-PF

PHTHALATE FREE METHYL ETHYL KETONE PEROXIDE

• Product Code

AKPEROX MIKP

• Description

Methyl Ethyl Ketone Peroxide, solution in Special Mineral Solvent

• Specifications

Density (@20°C)	1,09 gr/cm ³
Appearance	Colorless Liquid
Diluent	Special Mineral Solvent
Active Oxygen Content	8,8% - 9,0%
Peroxide Content	34% - 36%
SADT	45%
CAS Nr	60°C
EINECS/ELINCS Nr	1338-23-4
UN Nr	215-661-2
	3105

• Applications

AKPEROX A50-PF is a Phthalate Free type MEKP. It is used for the curing of unsaturated polyester (UP) resins at room and high temperatures in existence of Cobalt accelerator. Gel and cure performance is similar to AKPEROX A50. Applicable to be used in general purpose applications and suitable for the curing of gelcoat resins, laminating (coating), vinylester, fiber, button, dope and casting type polyester resins as well as GRP applications. (E.g. Pipe production, marine applications, cabinet production etc.) Recommended to be used during production of composite materials which directly get in contact with human body such as buttons, water tanks, water pipes etc in point of Phthalate Free specialty.

• Usage & Amount

It is recommended to use 1% - 2% in general, depending on application. It needs to be used with Cobalt accelerators at room temperature. (E.g. AKCOBALT 1%)

• Packaging

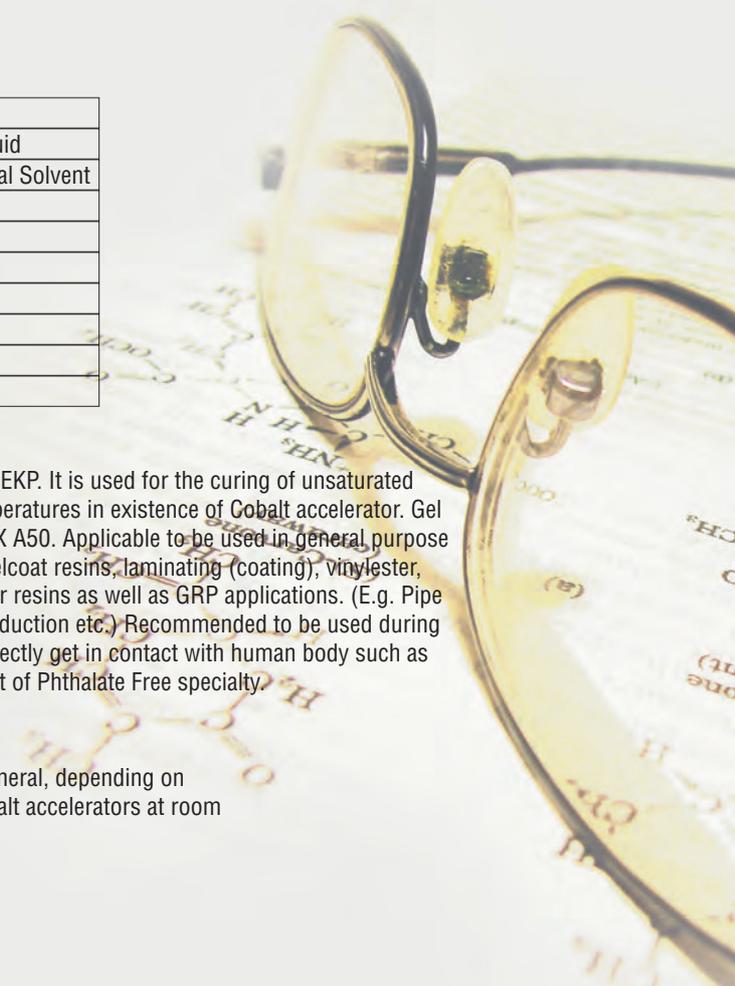
30 kgs PE Pail
5 kgs PE Pail
4x5 kgs in a Carton Box

• Handling & Storage

Recommended storage temperature is between +5 °C and +25 °C. Keep pails tightly closed. Store and handle in a dry, well-ventilated place. Keep away from sources of heat, ignition and direct sunlight in original packaging. Provide grounding and venting in order to prevent static electricity build-up. Avoid any contact with Amine and Cobalt Accelerators, acids, alkalis and heavy metal compounds such as driers and metal soaps.

• Shelf Life

6 Months
For unopened packages at recommended storage conditions



AKPEROX A60-PF

PHTHALATE FREE METHYL ETHYL KETONE PEROXDE

Product Code •

AKPEROX A60-PF

Description •

Methyl Ethyl Ketone Peroxide, solution in Special Mineral Solvent

Specifications •

Density (@20°C)	1,01 gr/cm ³
Appearance	Colorless Liquid
Diluent	Special Mineral Solvent
Active Oxygen Content	9,8% - 10,0%
Peroxide Content	34%-36%
SADT	60°C
CAS Nr	1338-23-4
EINECS/ELINCS Nr	215-661-2
UN Nr	3105

Applications •

AKPEROX A60-PF is a Phthalate Free type MEKP. It is used for the curing of unsaturated polyester (UP) resins at room and high temperatures in existence of Cobalt accelerator. Gel and cure performance is similar to AKPEROX A60. Applicable to be used in general purpose applications and suitable for the curing of gelcoat resins, laminating (coating), vinylester, fiber, button, dope and casting type polyester resins as well as GRP applications. (E.g. Pipe production, marine applications, cabinet production etc.) Recommended to be used during production of composite materials which directly get in contact with human body such as buttons, water tanks, water pipes etc in point of Phthalate Free specialty.

Usage & Amount •

It is recommended to use 1% - 2% in general, depending on application. It needs to be used with Cobalt accelerators at room temperature. (E.g. AKCOBALT 1%)

Packaging •

30 kgs PE Pail
5 kgs PE Pail
4x5 kgs in a Carton Box

Handling & Storage •

Recommended storage temperature is between +5 °C and +30 °C. Keep pails tightly closed. Store and handle in a dry, well-ventilated place. Keep away from sources of heat, ignition and direct sunlight in original packaging. Provide grounding and venting in order to prevent static electricity build-up. Avoid any contact with Amine and Cobalt Accelerators, acids, alkalis and heavy metal compounds such as driers and metal soaps.

Shelf Life •

6 Months
For unopened packages at recommended storage conditions



AKPEROX AAP

ACETYL ACETONE PEROXIDE

• Product Code

AKPEROX AAP

• Description

Acetyl Acetone Peroxide in Solvent Mixture

• Specifications

Density (@20°C)	1,05 gr/cm ³
Viscosity (@20°C)	21 mPa.s
Appearance	Colorless Liquid
Diluent	Diacetone Alcohol
Active Oxygen Content	4,0% - 4,2%
Peroxide Content	33%
SADT	60°C
CAS Nr	37187-22-7
EINECS/ELINCS Nr	253-384-9
UN Nr	3105

• Applications

AKPEROX AAP is used for curing unsaturated polyester (UP) resins at room and high temperatures in existence of Cobalt Accelerator. AAP + Cobalt combination provides faster curing and higher peak temperature level in comparison with MEKP + Cobalt combination. Therefore, lamination applications for quite thin layers should be avoided in this respect.

AKPEROX AAP is also available in Red Liquid form.

• Usage & Amount

It is recommended to use 0,5% - 2% in general. Should be used 0,5% - 3 when applied together with Cobalt or Amine accelerators.

• Packaging

25 kgs PE Pail

• Handling & Storage

Recommended storage temperature is between -10 °C and +25 °C. Keep pails tightly closed. Store and handle in a dry, well-ventilated place. Keep away from sources of heat, ignition and direct sunlight in original packaging. Provide grounding and venting in order to prevent static electricity build-up. Avoid any contact with Amine and Cobalt Accelerators, acids, alkalis and heavy metal compounds such as driers and metal soaps.

• Shelf Life

6 Months

For unopened packages at recommended storage conditions



AKPEROX A6R

PHTHALATE FREE METHYL ETHYL KETONE PEROXIDE

Product Code •

AKPEROX A6R

Description •

Phthalate Free type Methyl Ethyl Ketone Peroxide, solution in Special Mineral Solvent

Specifications •

Density (@20°C)	1,0 g/cm ³
Appearance	Colorless Liquid
Active Oxygen Content	9,9% - 10,1%
Peroxide Content	35%
SADT	60°C
CAS Nr	1338-23-4
EINECS/ELINCS Nr	215-661-2
UN Nr	3105

Applications •

AKPEROX A6R is a Phthalate Free type MEKP. It is used for the curing of unsaturated polyester (UP) resins at room and high temperatures in existence of Cobalt accelerator. Applicable to be used in general purpose applications. Recommended to be used during production of composite materials which directly get in contact with human body such as buttons, water tanks etc in point of Phthalate Free specialty.



Usage & Amount •

It is recommended to use 1% - 2% in general, depending on application. Needs to be used with Cobalt accelerators at room temperature. (E.g. AKCOBALT 1%)

Packaging •

30 kgs PE Pail
5 kgs PE Pail
4x5kg in a Carton Box

Handling & Storage •

Must be kept between +5 C and +30 C. Keep pails tightly closed. Store and handle in a dry, well-ventilated place, away from sources of heat, ignition and direct sunlight in original packaging. Provide grounding and venting in order to prevent static electricity build-up. Avoid any contact with Amine and Cobalt Accelerators, acids, alkalis and heavy metal compounds such as driers and metal soaps.

Shelf Life •

6 Months
For unopened packages at recommended storage conditions

AKPEROX ER33

BLEND TYPE PEROXIDE

• Product Code

AKPEROX ER33

• Description

Methyl Ethyl Ketone Peroxide and Acetyl Acetone Peroxide in solvent mixture

• Specifications

Density (@20°C)	1,09 g/cm ³
Viscosity (@20°C)	24 mPa.s
Appearance	Clear Liquid
Active Oxygen Content	7,6% - 7,9%
Peroxide Content	33%
SADT	55°C
CAS Nr	1338-23-4; 37187-22-7
EINECS/ELINCS Nr	215-661-2; 253-384-9
UN Nr	3105

• Applications

AKPEROX ER33 is used for the curing unsaturated polyester (UP) resins at room and high temperatures in existence of Cobalt Accelerator. (E.g. AKCOBALT 1% - 6%) AKPEROX ER33 + cobalt accelerator combination provides a faster curing speed in comparison with AKPEROX A50. The gel times with AKPEROX ER33 are faster than both AKPEROX A50 and AKPEROX ER34. Particularly suitable for pipe production and continuous manufacturing applications at higher production speed such as continuous lamination, RTM, centrifugal casting, filament winding.

• Usage & Amount

It is recommended to use 1% - 2% in general.

• Packaging

30 kgs PE Pail

• Handling & Storage

Recommended storage temperature is between -5 °C and +25 °C. Keep pails tightly closed. Store and handle in a dry, well-ventilated place. Keep away from sources of heat, ignition and direct sunlight in original packaging. Provide grounding and venting in order to prevent static electricity build-up. Avoid any contact with Amine and Cobalt Accelerators, acids, alkalis and heavy metal compounds such as driers and metal soaps.

• Shelf Life

3 Months

For unopened packages at recommended storage conditions



AKPEROX ER34

BLEND TYPE PEROXIDE

Product Code •

AKPEROX ER34

Description •

Methyl Ethyl Ketone Peroxide and Acetyl Acetone Peroxide in solvent mixture

Specifications •

Density (@20°C)	1,11 g/cm ³
Viscosity (@20°C)	22mPa.s
Appearance	Clear Liquid
Active Oxygen Content	6,5%-6,8%
Peroxide Content	33%
SADT	55°C
CAS Nr	1338-23-4; 37187-22-7
EINECS/ELINCS Nr	215-661-2; 253-384-9
UN Nr	3105

Applications •

AKPEROX ER34 is used for curing unsaturated polyester (UP) resins at room and high temperatures in existence of Cobalt Accelerator. (E.g. AKCOBALT 1% - 6%) With AKPEROX ER34 + cobalt accelerator combination, a faster speed of cure can be obtained than AKPEROX A50. The gel times with AKPEROX ER34 are in general similar to AKPEROX A50. Particularly suitable for pipe production and continuous manufacturing applications such as continuous lamination, RTM, centrifugal casting, filament winding.

Usage & Amount •

It is recommended to use 1% - 2% in general.

Packaging •

30 kgs PE Pail

Handling & Storage •

Recommended storage temperature is between -5 °C and +25 °C. Keep pails tightly closed. Store and handle in a dry, well-ventilated place. Keep away from sources of heat, ignition and direct sunlight in original packaging. Provide grounding and venting in order to prevent static electricity build-up. Avoid any contact with Amine and Cobalt Accelerators, acids, alkalis and heavy metal compounds such as driers and metal soaps.

Shelf Life •

3 Months
For unopened packages at recommended storage conditions



AKPEROX ER59

BLEND TYPE PEROXIDE

• Product Code

AKPEROX ER59

• Description

Tert-Butyl Peroxybenzoate and Acetyl Acetone Peroxide solution in DiAcetone Alcohol

• Specifications

Density (@20°C)	1,025 gr/m ³
Appearance	Yellowish Liquid
Diluent	Diacetone Alcohol
Active Oxygen Content	3,20 % – 3,80%
Peroxide Content	25% - 35%
SADT	60°C
CAS Nr	614-45-9; 37187-22-7
EINECS/ELINCS Nr	210-382-2; 253-384-9
UN Nr	3105

• Applications

AKPEROX ER60 is used for curing unsaturated polyester (UP) resins at room and high temperatures in existence of Cobalt Accelerator. (E.g. AKCOBALT 1% - 6%) Particularly suitable for pipe production and continuous manufacturing applications such as continuous lamination, RTM, filament winding, centrifugal casting.

• Usage & Amount

It is recommended to use 1% - 2% in general.

• Packaging

25 kgs PE Pail

• Handling & Storage

Recommended storage temperature is between -5 °C and +25 °C. Keep pails tightly closed. Store and handle in a dry, well-ventilated place. Keep away from sources of heat, ignition and direct sunlight in original packaging. Provide grounding and venting in order to prevent static electricity build-up. Avoid any contact with Amine and Cobalt Accelerators, acids, alkalis and heavy metal compounds such as driers and metal soaps.

• Shelf Life

3 Months

For unopened packages at recommended storage conditions

20



AKPEROX ER60 FW

BLEND TYPE PEROXIDE

Product Code •

AKPEROX ER60 FW

Description •

Tert-Butyl Peroxybenzoate and Acetyl Acetone Peroxide solution in DiAcetone Alcohol

Specifications •

Density (@25°C)	1,054 kg/cm ³
Appearance	Clear Liquid
Diluent	Organic Solvents
Active Oxygen Content	4,30%-4,70%
Peroxide Content	25%-35%
SADT	60°C
CAS Nr	614-45-9;37187-22-7
EINECS/ELINCS Nr	210-382-2;253-384-9
UN Nr	3105

Applications •

AKPEROX ER60 FW is used for curing unsaturated polyester (UP) resins at room and high temperatures in existence of Cobalt Accelerator. (E.g. AKCOBALT 1% - 6%)
Particularly suitable for pipe production and continuous manufacturing applications such as continuous lamination, RTM, filament winding, centrifugal casting



Usage & Amount •

It is recommended to use 1% - 2% in general.

Packaging •

25 kgs PE Pail

Handling & Storage •

Recommended storage temperature is between -5 °C and +25 °C. Keep pails tightly closed. Store and handle in a dry, well-ventilated place. Keep away from sources of heat, ignition and direct sunlight in original packaging. Provide grounding and venting in order to prevent static electricity build-up. Avoid any contact with Amine and Cobalt Accelerators, acids, alkalis and heavy metal compounds such as driers and metal soaps.

Shelf Life •

3 Months
For unopened packages at recommended storage conditions

AKPEROX TBHP

TERT-BUTYL HYDROPEROXIDE 70% SOLUTION

• Product Code

AKPEROX TBHP

• Description

Tert-Butyl Hydroperoxide 70% Solution

• Specifications

Density (@20°C)	0,94 gr/cm ³
Viscosity (@20°C)	4,15 mPa.s
Appearance	Colorless Clear Liquid
Active Oxygen Content	12,1% - 12,6%
Peroxide Content	69% - 71%
SADT	80°C
CAS Nr	75-91-2
EINECS/ELINCS Nr	200-915-7
UN Nr	3109

• Applications

AKPEROX TBHP is used for the emulsion polymerization of Styrene, Acrylates and Metacrylates and the curing of polyester resins. Suitable to be used as active peroxide in high pressure polymerization or as initiator in oxygen combination of Ethylene. Common applications are acrylate, vinylacetate, styrene - butadiene production, curing of styrene - polyester resins, oxidizing agent for hydrocarbons.

• Usage & Amount

It is recommended to use 0,1% - 0,3% in general.

• Packaging

25 kgs PE Pail

• Handling & Storage

Recommended storage temperature is between 0 °C and +30 °C. Keep pails tightly closed. Store and handle in a dry, well-ventilated place. Keep away from sources of heat, ignition and direct sunlight in original packaging. Provide grounding and venting in order to prevent static electricity build-up. Avoid any contact with Amine and Cobalt Accelerators, acids, alkalis and heavy metal compounds such as driers and metal soaps.

• Shelf Life

6 Months

For unopened packages at recommended storage conditions



AKPEROX CH50

CYCLOHEXANONE PEROXIDE

Product Code •

AKPEROX CH50

Description •

50% 1,1-Bis (t-Butyl Peroxide) Cyclohexanone Solution

Specifications •

Density (@0°C)	0,82-0,84 gr/cm ³
Viscosity (@0°C)	2,39 mPa.s
Appearance	Clear Liquid
Active Oxygen Content	6,16%
Peroxide Content	50%
SADT	70°C
CAS Nr	3006-86-8;31807-55-3
EINECS/ELINCS Nr	221-111-2;250-816-8
UN Nr	3105

Applications •

AKPEROX CH50 is used for hardening SMC and BMC resin types, temperatures between 100 – 140 OC. Generally used as initiator in Petro-chemistry systems during polymerization process of Ethylene under high pressure, with other peroxides at different activity levels at temperatures between 120 – 160 C.

CH50 keeps its liquid form even though under high pressure at low temperature. During the polymerization process, product remains stable against other components in the process.

Usage & Amount •

It is recommended to use 0,02% – 0,1% in general.



Packaging •

25 kg PE Pail

Handling & Storage •

Must be kept between +5 C and +30 C. Keep pails tightly closed. Store and handle in a dry, well-ventilated place, away from sources of heat, ignition and direct sunlight in original packaging. Provide grounding and venting in order to prevent static electricity build-up. Avoid any contact with Amine and Cobalt Accelerators, acids, alkalis and heavy metal compounds such as driers and metal soups.

Shelf Life •

6 Months

For unopened packages at recommended storage conditions

AKPEROX CAT K

3,5,5-TRIMETHYL HEXANOYL PEROXIDE

• Product Code

AKPEROX CAT K

• Description

Bis 3,5,5-Trimethyl Hexanoyl Peroxide

• Specifications

Density (@20°C)	0,870 - 0,880 gr/cm ³
Viscosity (@20°C)	13,0mPa.s
Appearance	Colorless Liquid
Diluent	Isododecane
Active Oxygen Content	3,76% - 3,88%
Peroxide Content	74%-76%
SADT	10°C
CAS Nr	3851-87-4
EINECS/ELINCS Nr	223-356-0
UN Nr	3115

• Applications

AKPEROX Catalyst K is the suitable initiator for polymerization of Ethylene during Autoclave and pipe type processes, under high pressure.

• Usage & Amount

AKPEROX CAT K is used in the polymerization of both Ethylene and Vinyl Chloride. During polymerization of Ethylene, obtained a large spectrum in polymerization temperature and should be used in combination with other peroxides. During polymerization, it is used at temperatures between 50 – 70 °C as initiator for Suspension Vinyl Chloride Polymerization.

• Packaging

25 Kgs PE Pails

• Handling & Storage

Must be kept between -5 C and -10 C. Keep pails tightly closed. Store and handle in a dry, well-ventilated place, away from sources of heat, ignition and direct sunlight in original packaging. Provide grounding and venting in order to prevent static electricity build-up. Avoid any contact with Amine and Cobalt Accelerators, acids, alkalis and heavy metal compounds such as driers and metal soaps.

• Shelf Life

3 Months

For unopened packages at recommended storage conditions

24



AKPEROX HC9

BLEND TYPE PEROXIDE

Product Code •

AKPEROX HC9

Description •

Tert-butyl peroxybenzoate, 80% solution with acetyl acetone

Specifications •

Density (@20°C)	1,030 g/cm ³
Viscosity (@20°C)	4 mPa.s
Molecular Weight	194,2
Appearance	Clear liquid
Active Oxygen Content	8,24 %
SADT	55 °C
CAS Nr	614-45-9
EINECS/ELINCS Nr	210-382-2
UN Nr	3103

Applications •

AKPEROX HC9 is used for curing of unsaturated polyester resins in combination with a cobalt accelerator (AKCOBALT 10%) at 60°C or above. Main applications are artificial marble, polymer concrete, filament winding and air drying lacquers. The combination AKPEROX HC9 plus a cobalt accelerator and possibly an amine accelerator like N,N DiMethyl Aniline is also suitable for the curing of vinyl ester resins at the room temperature. AKPEROX HC9 gives a much faster cure in these resins than the commonly applied peroxides AKPEROX LPT.

Usage & Amount •

Depending on working conditions, AKPEROX HC9 recommended to use %1 – 2. It needs to be used with Cobalt accelerators at room temperature.

Packaging •

25 kgs PE Pail

Handling & Storage •

Recommended storage temperature is below 25 °C. Keep containers tightly closed. Store and handle in a dry well-ventilated place. Keep away from sources of heat or ignition and direct sunlight. Avoid contact with reducing agents, acids, alkalis, heavy metal compounds (accelerators, driers).

Shelf Life •

6 Months
For unopened packages at recommended storage conditions



25

AKPEROX HC30

BLEND TYPE PEROXIDE

• Product Code

AKPEROX HC40

• Description

Solution of Methyl Ethyl Ketone Peroxide

• Specifications

Density (@20°C)	1,10 – 1,12 gr/cm ³
Viscosity (@20°C)	32-35 mPa.s
Appearance	Yellowish and clear liquid
Diluent	DMP
Active Oxygen Content	5,10% - 5,60%
SADT	60°C
CAS Nr	1338-23-4
EINECS/ELINCS Nr	215-661-2
UN Nr	3105

• Applications

AKPEROX HC30 is a strong initiator in most resin systems. Gel time is around 12 minutes, however gel time to cure time is much faster. Recommended to be used with singly promoted resins using cobalt accelerator. Suitable to use for the curing of resins if fast curing and short gelling is required.

• Usage & Amount

It is recommended to use 1% - 3% depends on the resin weight and also working area temperature should be around 15-16 degrees minimum. It needs to be used with Cobalt accelerators at room temperature. (E.g. AKCOBALT 1%)

• Packaging

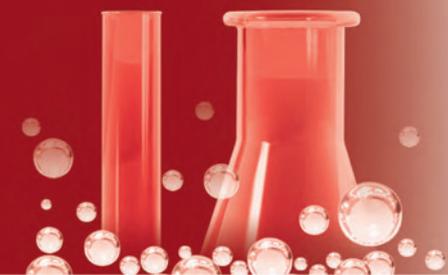
30 kgs PE Pail
5 kgs PE Pail
4x5 kgs in a Carton Box

• Handling & Storage

Recommended storage temperature is between +5 C and +30 C. Keep pails tightly closed. Store and handle in a dry, well-ventilated place. Keep away from sources of heat, ignition and direct sunlight in original packaging. Provide grounding and venting in order to prevent static electricity build-up. Avoid any contact with Amine and Cobalt accelerators, acids, alkalis and heavy metal compounds such as driers and metal soups.

• Shelf Life

6 Months
For unopened packages at recommended storage conditions



AKPEROX HC40

BLEND TYPE PEROXIDE

Product Code •

AKPEROX HC40

Description •

Solution of Methyl Ethyl Ketone Peroxide

Specifications •

Density (@20°C)	1,10 – 1,12 gr/cm ³
Viscosity (@20°C)	25-29 mPa.s
Appearance	Yellowish and clear liquid
Diluent	DMP
Active Oxygen Content	7,45% - 7,95%
SADT	60°C
CAS Nr	1338-23-4
EINECS/ELINCS Nr	215-661-2
Un Nr	3105

Applications •

AKPEROX H40 is a strong initiator in most resin systems. Recommend to be used with singly promoted resins using cobalt accelerator. Suitable to use for the curing of resins if fast curing and short gelling is required.

Usage & Amount •

It is recommended to use 1% - 3% depends on the resin weight and also working area temperature should be around 15-16 degrees minimum Needs to be used with Cobalt accelerators at room temperature. (E.g AKCOBALT 1%)

Packaging •

30 kgs PE Pail
5 kgs PE Pail
4x5 kgs in a Carton Box

Handling & Storage •

Recommended storage temperature is between +5 C and +30 C. Keep pails tightly closed. Store and handle in a dry, well-ventilated place. Keep away from sources of the ignition and direct sunlight in original packaging. Provide grounding and venting in order to prevent static electricity build-up. Avoid any contact with Amine and Cobalt accelerators, acids, alkalis and heavy metal compounds such as driers and metal soups.

Shelf Life •

6 Months
For unopened packages at recommended storage conditions



EFOX10

TERT BUTYL PEROXY 2-ETHYL HEXANOATE

• Product Code

EFOX10

• Description

Tert Butyl Peroxy 2-Ethylhexanoate

• Specifications

Density (@20°C)	0,900 gr/cm ³
Appearance	Transparent – Slight Yellowish Liquid
Viscosity (@20°C)	4,3 mPa.s
Active Oxygen Content	min 7,17%
Peroxide Content	min. 97%
SADT	35°C
CAS Nr	3006-82-4
EINECS/ELINCS Nr	221-110-7
UN Nr	3113

• Applications

Used for production of low-density polyethylene. Applicable in both autoclave and pipe type processes. Generally used together with t-Butyl Perbenzoate. Application temperature should be 80 – 150 °C for co-polymerization of Acrylate and Metacrylates solutions.

• Packaging

25 kgs PE Pail

• Handling & Storage

Recommended storage temperature is between -30 °C and +10 °C. Keep pails tightly closed. Store and handle in a dry, well-ventilated place. Keep away from sources of heat, ignition and direct sunlight in original packaging. Provide grounding and venting in order to prevent static electricity build-up. Avoid any contact with Amine and Cobalt Accelerators, acids, alkalis and heavy metal compounds such as driers and metal soups.

• Shelf Life

3 Months

For unopened packages at recommended storage conditions



EFOX20

DI-TERT-BUTYL PEROXIDE

Product Code •

EFOX20

Description •

Di-Tert-Butyl Peroxide

Specifications •

Density (@20°C)	0,800 gr/cm ³
Appearance	Colorless, Liquid
Viscosity (@20°C)	0,9 mPa.s
Active Oxygen Content	%10,85
Peroxide Content	min. %99
SADT	80°C
CAS Nr	110-05-4
EINECS/ELINCS Nr	203-733-6
UN Nr	3107

Applications •

Used as initiator for low-density polyethylene production. Applicable in both autoclave and pipe type processes. Generally applicable to be used temperatures between 95 – 185 °C during polymerization and co-polymerization of styrene. Applicable temperatures should be between of 130 – 175 °C for co-polymerization of Acrylate and Metacrylates solutions.



Packaging •

20 kgs PE Pail

Handling & Storage •

Recommended storage temperature is between +30 °C and +40 °C. Keep pails tightly closed. Store and handle in a dry, well-ventilated place. Keep away from sources of heat, ignition and direct sunlight in original packaging. Provide grounding and venting in order to prevent static electricity build-up. Avoid any contact with Amine and Cobalt Accelerators, acids, alkalis and heavy metal compounds such as driers and metal soaps.

Shelf Life •

3 Months

For unopened packages at recommended storage conditions

EFOX30

TERT-BUTYL PEROXYBENZOATE

• Product Code

EFOX30

• Description

Tert-Butyl Peroxybenzoate

• Specifications

Density (@20°C)	1,04 gr/cm ³
Appearance	Colorless, Liquid
Viscosity (@20°C)	6,55 mPa.s
Active Oxygen Content	8,08%
Peroxide Content	min. 98%
SADT	60°C
CAS Nr	614-45-9
EINECS/ELINCS	210-382-2
UN Nr	3103

• Applications

Used as initiator in co-polymerization of Ethylene, Styrene, Acrylonitrile, Vinyl Acetate, Acrylate and Metacrylates. Used during styrene co-polymerization at temperatures between 100 – 140 °C.

• Packaging

25 kgs PE Pail

• Handling & Storage

Recommended storage temperature is between +8 °C and +25 °C. Keep pails tightly closed. Store and handle in a dry, well-ventilated place. Keep away from sources of heat, ignition and direct sunlight in original packaging. Provide grounding and venting in order to prevent static electricity build-up. Avoid any contact with Amine and Cobalt Accelerators, acids, alkalis and heavy metal compounds such as driers and metal soaps.

• Shelf Life

3 Months

For unopened packages at recommended storage conditions

30



EFOX40

TERT-BUTYL PEROXY ISOBUTYRATE 75%

Product Code •

EFOX40

Description •

Tert-Butyl Peroxy Isobutyrate 75%

Specifications •

Density (@20°C)	0,840 gr/cm ³
Appearance	Colorless, Liquid
Viscosity (@20°C)	6,55 mPa.s
Active Oxygen Content	7,4%
Peroxide Content	min. 75%
SADT	30°C
CAS Nr	109-13-7
EINECS/ELINCS Nr	203-650-5
UN Nr	3115

Applications •

Initiator of Ethylene, during co-polymerization under high pressure. Suitable to be used in Autoclave and pipe type production applications. Used during polymerization of Styrene at temperatures between 85 – 105 °C. Basic application is to provide co-polymerization of Acrylonitrile, Acrylate and Metacrylates. The application temperatures should be between 80 - 160 °C during polymerization of Acrylates and Metacrylates.



Usage & Amount •

Packaging •

25 kgs PE Pail

Handling & Storage •

Recommended storage temperature is max. +10 °C. Keep pails tightly closed. Store and handle in a dry, well-ventilated place.

Keep away from sources of heat, ignition and direct sunlight in original packaging. Provide grounding and venting in order to prevent static electricity build-up. Avoid any contact with Amine and Cobalt Accelerators, acids, alkalis and heavy metal compounds such as driers and metal soaps.

Shelf Life •

3 Months

For unopened packages at recommended storage conditions

EFOX50

TERT-BUTYL PEROXYPIVALATE 75%

• Product Code

EFOX50

• Description

Tert-Butyl Peroxypivalate 75%

• Specifications

Density (@0°C)	0,875 gr/cm ³
Appearance	Colorless, Liquid
Viscosity (@20°C)	2,10 mPa.s
Active Oxygen Content	6,79% - 6,98%
Peroxide Content	74% - 76%
SADT	20°C
CAS Nr	927-07-1
EINECS/ELINCS Nr.	213-147-2
UN Nr	3113

• Applications

Used as initiator for low-density polyethylene production. Suitable to be used in Autoclave and pipe type processes. Used as initiator for polymerization of vinyl chloride at temperatures between 50 – 70 °C.

• Packaging

25 kgs PE Pail

• Handling & Storage

Recommended storage temperature is between -5 °C and -10 °C. Keep pails tightly closed. Store and handle in a dry, well-ventilated place. Keep away from sources of heat, ignition and direct sunlight in original packaging. Provide grounding and venting in order to prevent static electricity build-up. Avoid any contact with Amine and Cobalt Accelerators, acids, alkalis and heavy metal compounds such as driers and metal soaps.

• Shelf Life

3 Months

For unopened packages at recommended storage conditions



AKPEROX BP15 PASTE

DIBENZOYL PEROXIDE, PASTE, 15%

Product Code •

AKPEROX BP15 PASTE

Description •

DiBenzoyl Peroxide, Paste, 15% in plasticizer. Produced in black and gray colors. Different colors can be produced if requested

Specifications •

Density (@25°C)	1,50 – 1,55 gr/cm ³
Appearance	Gray and Black – in Paste Form
Active Oxygen Content	0,98%– 1%
Peroxide Content	14% - 16%
SADT	50 OC
CAS Nr	94-36-0
EINECS/ELINCS Nr	202-327-6
UN Nr	3108

Applications •

AKPEROX BP15 is used as hardener for unsaturated polyester (UP) resin based chemical anchors and polyester putties.



Usage & Amount •

Recommended to be used 1% – 3% in general, according to climate conditions and product formulation.

Packaging •

30 kgs PE Drum

Handling & Storage •

Recommended storage temperature is between +5 °C and +30 °C. Keep pails tightly closed. Store and handle in a dry, well-ventilated place. Keep away from sources of heat, ignition and direct sunlight in original packaging. Provide grounding and venting in order to prevent static electricity build-up. Avoid any contact with Amine and Cobalt Accelerators, acids, alkalis and heavy metal compounds such as driers and metal soaps.

Shelf Life •

3 Months
For unopened packages at recommended storage conditions

AKPEROX BP25 PASTE

DIBENZOYL PEROXIDE, PASTE, 25%

• Product Code

AKPEROX BP25 PASTE

• Description

DiBenzoyl Peroxide, Paste, 25% in plasticizer. Produced in black and gray colors. Different colors can be produced if requested

• Specifications

Density (@25°C)	1,30 – 1,34 gr/cm ³
Appearance	Gray and Black – in Paste Form
Active Oxygen Content	1,58%– 1,74%
Peroxide Content	24% - 26%
SADT	50 0C
CAS Nr	94-36-0
EINECS/ELINCS Nr	202-327-6
UN Nr	3108

• Applications

AKPEROX BP 25 is used as hardener for unsaturated polyester (UP) resin based chemical anchors and polyester putties. Depending on production method and climate conditions, due to short pot life of related products, use small amount mixtures to have sufficient working time.

• Usage & Amount

Recommended to be used 1% – 3% in general, according to climate conditions and product formulation.

• Packaging

30 kgs PE Drum

• Handling & Storage

Recommended storage temperature is between +5 °C and +30 °C. Keep pails tightly closed. Store and handle in a dry, well-ventilated place. Keep away from sources of heat, ignition and direct sunlight in original packaging. Provide grounding and venting in order to prevent static electricity build-up. Avoid any contact with Amine and Cobalt Accelerators, acids, alkalis and heavy metal compounds such as driers and metal soaps.

• Shelf Life

3 Months

For unopened packages at recommended storage conditions



AKPEROX BP50 PASTE

DIBENZOYL PEROXIDE, PASTE, 50%

Product Code •

AKPEROX BP50 PASTE

Description •

DiBenzoyl Peroxide, Paste, 50% in plasticizer. Produced in white and red colors. Different colors can be produced if requested

Specifications •

Density (@25°C)	1,10 - 1,14 gr/cm ³
Appearance	In Red and White Colors, in paste form
Active Oxygen Content	3,1% -3,4%
Peroxide Content	49,0% -51,0%
SADT	50°C
CAS Nr	94-36-0
EINECS/ELINCS Nr	202-327-6
UN Nr	UN 3108

Applications •

AKPEROX BP 50 is used for curing unsaturated polyester (UP) resin based polyester putties, marble and stone adhesives.

Usage & Amount •

Recommended to use 1% – 3% in general, according to climate conditions and product formulation. In order to obtain longer workable time, amount of usage should be reduced. It is usable with Amine and Cobalt accelerators.

Packaging •

25 gr, 40 gr and 60 gr in tubes
30 kgs PE Drum
Different packages can be produced if requested

Handling & Storage •

Recommended storage temperature is between +5 °C and +30 °C. Keep pails tightly closed. Store and handle in a dry, well-ventilated place. Keep away from sources of heat, ignition and direct sunlight in original packaging. Provide grounding and venting in order to prevent static electricity build-up. Avoid any contact with Amine and Cobalt Accelerators, acids, alkalis and heavy metal compounds such as driers and metal soaps.

Shelf Life •

6 Months
For unopened packages at recommended storage conditions



AKPEROX BP50 POWDER

DIBENZOYL PEROXIDE 50%

• Product Code

AKPEROX BP50 POWDER

• Description

DiBenzoyl Peroxide 50% with plasticizer

• Specifications

Appearance	White, Powder form
Active Oxygen Content	3,3% min.
Density	0,62 kg/lit
Peroxide Content	50%
SADT	60 0C
CAS Nr	94-36-0
EINECS/ELINCS Nr	202-327-6
UN Nr	3104

• Applications

AKPEROX BP 50 used to harden unsaturated polyester (UP) resins at elevated temperatures as a sole catalyst.

• Usage & Amount

Recommended to be used 1% – 3% in general, according to climate conditions and product formulation.

• Packaging

25 kgs Carton Box

• Handling & Storage

Recommended storage temperature is between +5 °C and +30 °C. Keep pails tightly closed. Store and handle in a dry, well-ventilated place. Keep away from sources of heat, ignition and direct sunlight in original packaging. Provide grounding and venting in order to prevent static electricity build-up. Avoid any contact with Amine and Cobalt Accelerators, acids, alkalis and heavy metal compounds such as driers and metal soaps.

• Shelf Life

3 Months
For unopened packages at recommended storage conditions



AKPEROX BP75 POWDER

DIBENZOYL PEROXIDE 75%

Product Code •

AKPEROX BP75 POWDER

Description •

DiBenzoyl Peroxide 75% with water

Specifications •

Appearance	White, Powder form
Active Oxygen Content	4,9% min.
Peroxide Content	74% - 77%
SADT	80 °C
CAS Nr	94-36-0
EINECS/ELINCS Nr	202-327-6
UN Nr	3104

Applications •

AKPEROX BP 75 used to harden unsaturated polyester (UP) resins at elevated temperatures as a sole catalyst.

Usage & Amount •

Recommended to be used 1% – 3% in general, according to climate conditions and product formulation.

Packaging •

25 kgs Carton Box

Handling & Storage •

Recommended storage temperature is between +5 °C and +30 °C. Keep pails tightly closed. Store and handle in a dry, well-ventilated place. Keep away from sources of heat, ignition and direct sunlight in original packaging. Provide grounding and venting in order to prevent static electricity build-up. Avoid any contact with Amine and Cobalt Accelerators, acids, alkalis and heavy metal compounds such as driers and metal soaps.

Shelf Life •

3 Months
For unopened packages at recommended storage conditions

