

BIPB96-PD

Di(tert-butylperoxyisopropyl) benzene

CAS No.

25155-25-3,2212-81-9

TSCA Status

listed on inventory

Active oxygen content peroxide

9.45%

EINECS/ELINCS No.

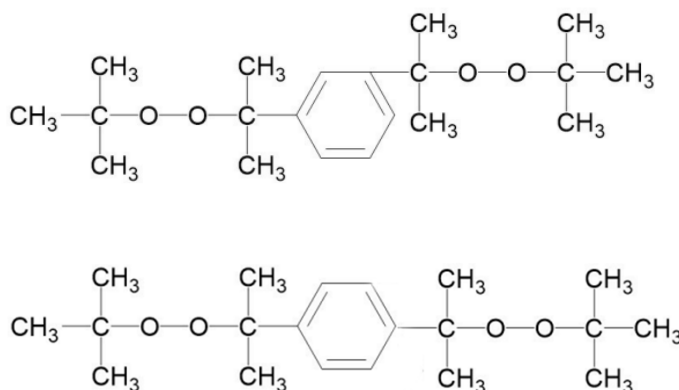
218-664-7

Molecular weight

338.5

Concentration

9.26% min.



BIPB is a bifunctional peroxide which is used for the crosslinking of natural rubber and synthetic rubbers, as well as polyolefins. Rubber compounds containing BIPB have excellent scorch safety, and under certain conditions one step mixing is possible. Safe processing temperature: 135°C (rheometer ts2 > 20 min.). Typical crosslinking temperature: 175°C (rheometer t90 about 12 min.).

Applications

BIPB can be used for the market segments: polymer production and polymer crosslinking with their different applications/functions. For more information please check our website and/or contact us.

Thermal stability

Organic peroxides are thermally unstable substances, which may undergo self-accelerating decomposition. The lowest temperature at which self-accelerating decomposition of a substance in the original packaging may occur is the Self-Accelerating Decomposition Temperature (SADT). The SADT is determined on the basis of the Heat Accumulation Storage Test.

SADT

80°C (176°F)

Method

The Heat Accumulation Storage Test is a recognized test method for the determination of the SADT of organic peroxides (see Recommendations on the Transport of Dangerous Goods, Manual of Tests and Criteria - United Nations, New York and Geneva)

Storage

Due to the relatively unstable nature of organic peroxides a loss of quality can be detected over a period of time. To minimize the loss of quality, Do Sender Chem recommends a maximum storage temperature (Ts max.) for each organic peroxide product.

Ts max.	20°C (68°F) to prevent caking
Note	BIPB can be safely stored at 30°C (86°F) max without loss of activity. When stored under strictly recommended storage conditions, BIPB will remain within the Do Sender Chem specifications for a period of at least 12 months after delivery.

Packaging and transport

20 kg corrugated box packaging

BIPB is classified as Organic peroxide type D; solid, Division 5.2; UN 3106. PG II

Major decomposition products

tert-Butanol, Methane, Acetone, Bis(2-hydroxyisopropyl)benzene.

BIPB40-PD

Di(tert-butylperoxyisopropyl) benzene,40% Powder form

CAS No.

25155-25-3,2212-81-9

TSCA Status

listed on inventory

Active oxygen content peroxide

9.45%

EINECS/ELINCS No.

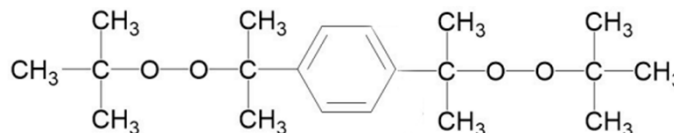
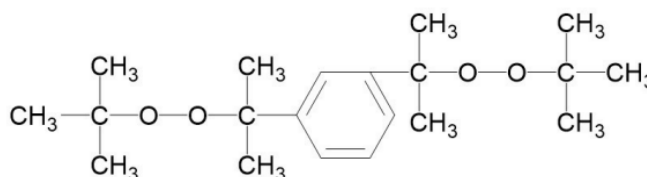
218-664-7

Molecular weight

338.5

Concentration

3.7%-3.9



Applications

BIPB40-PD is a bifunctional peroxide which is used for the crosslinking of natural rubber and synthetic rubbers, as well as polyolefins. Rubber compounds containing BIPB40-PD have excellent scorch safety, and under certain conditions one step mixing is possible.

Thermal stability

Organic peroxides are thermally unstable substances, which may undergo self-accelerating decomposition. The lowest temperature at which self-accelerating decomposition of a substance in the original packaging may occur is the Self-Accelerating Decomposition Temperature (SADT). The SADT is determined on the basis of the Heat Accumulation Storage Test.

SADT 80°C (176°F)

Method The Heat Accumulation Storage Test is a recognized test method for the determination of the SADT of organic peroxides (see Recommendations on the Transport of Dangerous Goods, Manual of Tests and Criteria - United Nations, New York and Geneva)

Storage

Due to the relatively unstable nature of organic peroxides a loss of quality can be detected over a period of time. To minimize the loss of quality, Do Sender Chem recommends a maximum storage temperature (Ts max.) for each organic peroxide product.

Ts max.	30°C
Note	When stored under the recommended storage conditions, BIPB40-PD will remain within the Do Sender Chem specifications for a period of at least 6 months after delivery.

Packaging and transport

20 kg corrugated box packaging

BIPB40-PD is classified as Flammable solid, class 4.1, UN 1325; PG II

Major decomposition products

Methane, Acetone, tert-Butanol, Di(2-hydroxyisopropyl)benzene, Diacetylbenzene, Acetyl 2-hydroxyisopropyl benzene

BIPB96-FL

Di(tert-butylperoxyisopropyl) benzene,96% Flake form

CAS No.

25155-25-3,2212-81-9

TSCA Status

listed on inventory

Active oxygen content peroxide

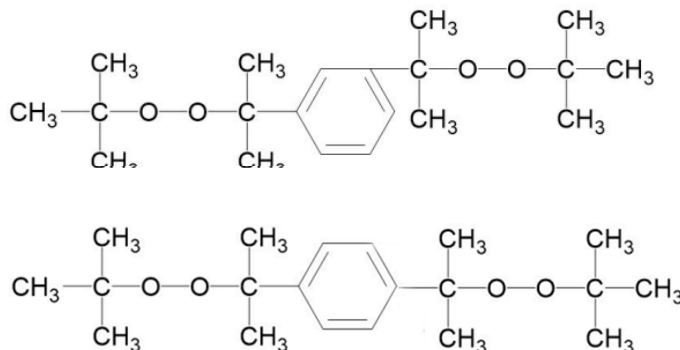
9.08%

EINECS/ELINCS No.

218-664-7

Molecular weight

338.5



BIPB is a bifunctional peroxide which is used for the crosslinking of natural rubber and synthetic rubbers, as well as polyolefins. Rubber compounds containing BIPB have excellent scorch safety, and under certain conditions one step mixing is possible. Safe processing temperature: 135°C (rheometer ts2 > 20 min.). Typical crosslinking temperature: 175°C (rheometer t90 about 12 min.).

Applications

BIPB can be used for the market segments: polymer production and polymer crosslinking with their different applications/functions. For more information please check our website and/or contact us.

Thermal stability

Organic peroxides are thermally unstable substances, which may undergo self-accelerating decomposition. The lowest temperature at which self-accelerating decomposition of a substance in the original packaging may occur is the Self-Accelerating Decomposition Temperature (SADT). The SADT is determined on the basis of the Heat Accumulation Storage Test.

SADT

80°C (176°F)

Method

The Heat Accumulation Storage Test is a recognized test method for the determination of the SADT of organic peroxides (see Recommendations on the Transport of Dangerous Goods, Manual of Tests and Criteria - United Nations, New York and Geneva)

Storage

Due to the relatively unstable nature of organic peroxides a loss of quality can be detected over a period of time. To minimize the loss of quality, Do Sender Chem recommends a maximum storage temperature (Ts max.) for each organic peroxide product.

Ts max.	20°C (68°F) to prevent caking
Note	BIPB can be safely stored at 30°C (86°F) max without loss of activity. When stored under strictly recommended storage conditions, BIPB will remain within the Do Sender Chem specifications for a period of at least 12 months after delivery.

Packaging and transport

20 kg corrugated box packaging

BIPB is classified as Organic peroxide type D; solid, Division 5.2; UN 3106.

Major decomposition products

tert-Butanol, Methane, Acetone, Bis(2-hydroxyisopropyl)benzene.