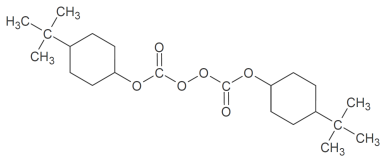
PEROXAN BCC

Peroxydicarbonate / Polymerization

Description

Di-(4-tert-butyl-cyclohexyl)-peroxydicarbonate
95%, Powder

PEROXAN BCC is used for the (co)polymerization of vinylchloride, vinylidenechloride, acrylates and methacrylates.



Molecular weight:	**398.5**
CAS No.:	**15520-11-3**

Technical data

Appearance:	**white powder**
Peroxide assay:	**min. 95%**
Active oxygen assay:	**min. 3.8%**
Bulk density at 10°C:	**400 kg/m³**

Half life time

in chlorobenzene:

$t_{½}$	10h	1h	1min
bei	**48°C**	**64°C**	**98°C**

Solubility

in water: <25mg/kg

Storage

Maximum storage temperature (Ts max):	**15°C**
Storage stability as from date of delivery:	**3 months**

Hazardous reactions

Keep packaging tightly closed in a well ventilated place at indicated storage temperature. Keep away from reducing agents e.g. amines, acids, alkalis, heavy metal compounds (e.g. accelerators, driers, metal soaps). Never weigh out in storage room.

Oxidizing agent. Decomposes violently under the influence of heat or by contact with reducing agent. Never mix with accelerators.

Organic Peroxides are more or less stable products but will decompose under the influence of heat. To minimize a loss of quality during storage, it is important that the recommended maximum storage temperature is not exceeded. If a minimum storage temperature is given, an undesirable process such as a solidification or phase separation, is known to occur below this temperature.

Safety characteristics

SADT:	40°C
Emergency temperature:	35°C
Control temperature:	30°C

The SADT (Self Accelerating Decomposition Temperature) is the lowest temperature at which a self accelerating decomposition may occur.

The emergency temperature is derived from the SADT. It is the temperature at which emergency actions have to be taken. The control temperature is the maximum temperature at which the product can be transported safely.

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Application	Polymerization of vinylchloride: PEROXAN BCC may be used in polymerization and copolymerization of vinylchloride in mass or suspension processes, usually in combination with other peroxides of varying degrees of activity to increase reactor efficiency. Temperature range: 40 to 65°C Dosing: 0,02 to 0,1 phr Polymerization of acrylates and methacrylates: PEROXAN BCC can be used as initiator for the mass polymerization of acrylates and methacrylates. Temperature range: 40 to 70°C Dosing: 0,02 to 0,1 phr Other applications: PEROXAN BCC may also be used for the (co)polymerization of vinylidenechloride.
Packaging	**20kg cardboard box**
Major decomposition products	**4-tert-Butylcyclohexanol, Carbon dioxide**
Safety and handling	Please refer to the material safety data sheet (MSDS) for information concerning safe storage, use and handling of PEROXAN BCC. This information should be thoroughly reviewed prior to acceptance of this product. The MSDS is available for downloading at **www.pergan.com** or through contacting Pergan directly.

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