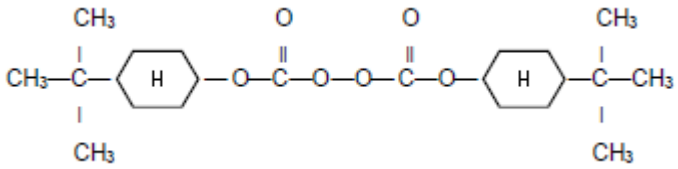
TECHNICAL DATA SHEET

PEROXAN BCC

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. 3,80%
Bulk density at 10 °C	400 kg/m³

HALF LIFE TIME

in chlorobenzene

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

STORAGE

Maximum storage temperature ($T_{s\ max}$)	15 °C
Storage stability as from date of delivery	3 months

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.

THERMAL STABILITY

SADT	40 °C
Emergency temperature (T_{em})	35 °C
Control temperature (T_c)	30 °C

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The SADT 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.

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

20 kg Cardboard box

MAJOR DECOMPOSITION PRODUCTS

Carbon dioxide, 4-tert-Butylcyclohexanol

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.

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