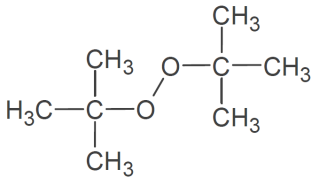
PEROXAN DB-30

Dialkyl peroxide / Polymerization

Description

Di-tert-butyl peroxide
30%, Solution in odorless white spirits

PEROXAN DB-30 is used for the (co)polymerization of ethylene.



Molecular weight:	**146.2**
CAS No.:	**110-05-4**

Technical data

Appearance:	**clear liquid**
Peroxide assay:	**appx. 30%**
Active oxygen assay:	**appx. 3.28%**
Density at 20°C:	**0.8 g/cm³**

Half life time

in chlorobenzene:

$t_{½}$	10h	1h	1min
bei	**121°C**	**141°C**	**183°C**

Storage

Maximum storage temperature (Ts max):	**40°C**
Storage stability as from date of delivery:	**6 months**

Hazardous reactions

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: 80°C

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

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Application	Due to its high volatility, PEROXAN DB-30 requires precautions in handling and metering. Polymerization of ethylene: PEROXAN DB-30 is used for high pressure polymerization of ethylene in both autoclave and tubular processes, usually in combination with other peroxides of varying degrees of activity. Temperature range: 240 to 280°C Light-off temperature at 2300 bar: 265°C
Packaging	**20kg container** **160kg drum** **900kg IBC** Bulk delivery of PEROXAN DB-30 in a 1,25 mÂ³ stainless steel intermediate bulk container (IBC) is possible in a number of countries.
Major decomposition products	**Acetone, Methane, tert-Butanol**
Safety and handling	Please refer to the material safety data sheet (MSDS) for information concerning safe storage, use and handling of PEROXAN DB-30. 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.

The information presented herein is true and accurate and to the best of our knowledge, but without any guarantee. Since the conditions of use are beyond our control we disclaim any liability, including for patent infringement, incurred in connection with the use of these products, data or suggestions.

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