

Technical Data Sheet

Tert-Butyl peroxybenzoate

CAS# 614-45-9

Description:

TBPB is a clear light yellow liquid, which is little soluble in water but well in many organic solvents such as ethanol or phthalate

Technical Data:

t yellow transparent liquid	Appearance.....	Ligh
	Assay%.....	98.5
	Color.....	≤100
	Fe%.....	≤0.0005
	Water content%≤.....	0.20
	Acidity %≤.....	0.05

Application:

Mainly TBPB is used as a radical initiator, either in the polymerization of e.g. ethylene (to LDPE), vinyl chloride, styrene or acrylic esters or as so-called unsaturated polyester resins (UP resins).[1] The quantity used for the curing of UP resins is about 1-2%.[1]

A disadvantage, particularly in the production of polymers for applications in the food or cosmetics sector, is the possible formation of benzene as a decomposition product which can diffuse out of the polymer (for example, an LDPE packaging film).

Packing:

Available packaging: 18-20 KG PE drums.
Special packaging is available on request

Storage:

Keep container tightly closed and dry and storage in cool place

Chemical Inventories:

Australia - AICS
Canada - DSL
EU - EINECS
China - IECSC
Japan - ENCS
New Zealand - NZIoC
Korea - ECL
USA - TSCA

Philippines - PICCS