

Tertiary Butyl Per benzoate

TECHNICAL DATA SHEET

GENERAL NAME	TBPB
CHEMICAL NAME	Tertiary Butyl Per benzoate
PEROXIDE CLASS	Peroxy Esters
STRUCTURE	(CH ₃) ₃ -COOCO-C ₆ H ₅
MOLECULAR WEIGHT	194
CAS No.	614-45-9
PACKING	30 Kg in HDPE Carbuoy

TYPICAL PROPERITES

APPEARANCE	light yellowish liquid
ASSAY (BY WEIGHT)	Min. 98%
ACTIVE OXYGEN	Min. 8.1%
SPECIFIC GRAVITY (@25°C)	1.04
SADT	63°C
MELTING/FREEZING POINT	8°C
FLASH POINT	80°C
SHELF LIFE	Six months @ 25°C
SOLUBILITY	soluble in most organic solvents e.g. methanol, styrene, Ethyl acetate. ; insoluble in water.

USES:

Used as a catalyst in hot press moulding of polyester resin in SMC / DMC, and polymerization. Also available in a phthalate plasticizer solution.

HAZARDS, HANDLING AND STORAGE:

The material is irritating to eyes, skin and respiratory passage. It is sensitive to heat. It is combustible and oxidizing. The higher the ambient temperature, higher the rate of decomposition and spontaneous decomposition may occur above 70°C in restricted heat transfer conditions e.g. in the supply container.

Contact with concentrated acids, alkalis, reducing agents or dirt, rust and metallic dust may also cause spontaneous decomposition. Under confinement, it is an explosion risk.

Fire may be fought by water or dry chemical powder. Safety goggles and hand gloves while working with the material to avoid contact. In case of accidental contact, wash skin with large amounts of water and soap. In case of contact with eyes, wash thoroughly with water or better with an aqueous 5% solution of sodium ascorbate or an aqueous 2% solution of sodium bicarbonate.

Store TBPB in a cool dry place below 30°C temperature. Avoid direct sunlight, rough handling, and store away from reducing agents listed above.

NOTICE:

The above details are given in good faith for your guidance without assuming any liability whatsoever arising there from.

