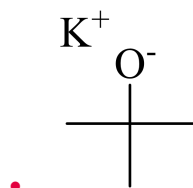


POTASSIUM TERT-BUTOXIDE(KTB)

- **Acronym :** KTB
- **Synonyms :** Potassium tert-butoxide reagent grade
- **CAS number:** 865-47-4
- **EINECS number:** 212-740-3
- **Formula :** C₄H₉KO



MAIN PROPERTIES

SPECIFICATION	VALUES	NORMS REFERENCE
Appearance at 20 °C	White or off-white power	
KTB Purity	≥99.0%	Titration
KOH+K ₂ CO ₃ as KOH	≤0.5%	Modified Karl-Fischer Titration
Alkalinity	≥98.0%	Calculated

The above commercial specifications are guaranteed ; they were established using the test methods which were in force at the plant at the time of despatch of the product, and are in accordance with any applicable revision references.

MAIN APPLICATIONS

- Auxiliary reagent in fine organic synthesis (acid scavenger in pharmaceutical and agrochemical industries)

POTASSIUM TERT-BUTOXIDE(KTB)

PACKAGING

KTB is supplied in bulk by road tankers and in drums of net weight 50 kg.

STORAGE / SAFETY / PRECAUTIONS DURING USE / HANDLING

Please refer to the safety data sheet before any use. Typical shelf life at 25°C is 24 months.

Molecular weight.....	112.21
Boiling point at 1013 hPa.....	275°C
Vapor pressure	1 mm Hg (220 °C)
Freezing point.....	< 256-258°C
Density at 20 °C	0.910 g/cm ³
Flash point (closed cup).....	54°F
Autoignition temperature.....	483°C
Explosivity limits in air (lower / upper).....	No data available
Solubility in water at 20°C	No data available
pKa at 25 °C (refer to the protonated amine in aqueous solution)	No data available

Updated: Apryl 14 th, 2018

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See MSDS for Health & Safety Considerations

