

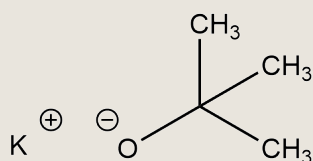
## Product Information

# Potassium tert.-Butylate Solutions

KTB solutions in various solvents

## CAS NUMBER

865-47-4



## PRODUCT DESCRIPTION

A solution of potassium tert.-butylate, a very strong base commonly used in organic synthesis and as a catalyst in polymerization reactions.

Available solvents: tert-butanol, iso-butanol, iso-propanol, THF.

### Typical Properties

Property	Unit	Value
Appearance		Pale yellow to amber liquid
Chemical Name		Potassium tert-butoxide
Molar Mass	g/mol	112.21

The data represents typical values (no product specification)

## TYPICAL APPLICATIONS

Very strong hydrocarbon soluble base, used for:

- Deprotonations
- Base catalyzed reactions
- Elimination reactions
- Super base reactions with butyllithium
- Isomerization reactions

### Product Composition

Product Composition	Unit	Value
KOH + K <sub>2</sub> CO <sub>3</sub> Content, max.	wt%	1
Karl-Fischer titration		
Solvent Type		Tert-Butanol, Tetrahydrofuran, iso-Propanol or iso-Butanol

The data represents typical values (no product specification)

## BENEFITS & ADVANTAGES

- Very high purity, low hydroxyl content
- Very strong base, stronger base than primary and secondary alcoholates
- Selective and specific in many organic reactions
- Custom packaging available

## HANDLING & PROCESSING

Avoid air contact! Product quickly reacts with moisture, oxygen and carbon dioxide from the air.

## PACKAGING

KTB 15% in tert-butanol: 160 kg in 210 L steel drum

KTB 19% in iso-butanol: 170 kg in 210 L steel drum

KTB 29% in iso-propanol: 170 kg in 210 L steel drum

KTB 20% in THF: 180 kg in 210 L steel drum

## STORAGE

Dry and cool (at ambient temperature)

## SHELF LIFE

Recommended re-test of the product 18 months after production in originally sealed packaging.

#### Disclaimer

This information and all further technical advice are based on our present knowledge and experience. However, it implies no liability or other legal responsibility on our part, including with regard to existing third-party intellectual property rights, especially patent rights. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to technological progress or further developments. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer. Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products could not be used.

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