

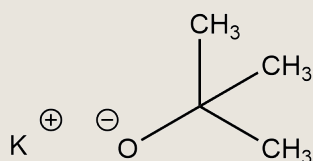
## Product Information

# 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
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

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