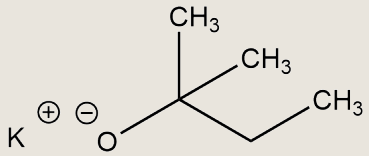
Product Information

Potassium tert.-Amylate (KTA) Solutions

CAS NUMBER

41233-93-6



PRODUCT DESCRIPTION

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

Available solvents: Cyclohexane, Hexane, THF, Toluene and Xylene.

Typical Properties

Property	Unit	Value
Appearance		Yellow liquid
Chemical Name		Potassium 2-methyl-butan-2-olate
Density Depends on solvent; 25°C	g/cm³	0.8-0.92

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_2CO_3 Content, max. Karl-Fischer titration	wt%	1

The data represents typical values (no product specification)

BENEFITS & ADVANTAGES

- Very high purity, low hydroxyl content.
- Very strong base, selective and specific in many organic reactions.
- Stronger base than primary and secondary alcoholates.
- Ready to use solutions.
- Custom packaging available.

HANDLING & PROCESSING

Avoid air contact! Product quickly reacts with moisture from the air.

PACKAGING

KTA 15% in Cyclohexane: 160 kg in 210 L steel drums

KTA 30% in Hexane: 160 kg in 210 L steel drums

KTA 50% in THF: 160 kg in 210 L steel drums

KTA 25% in Toluene: 180 kg in 210 L steel drums

KTA 25% in Xylene: 180 kg in 210 L steel drums

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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