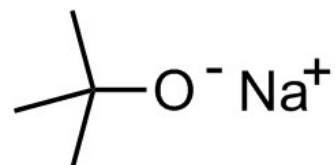


# TECHNICAL DATA SHEET

Date of Issue: 2017/09/06

## Sodium tert-Butoxide, typ. 30 % solution in THF (typ. 2.8 M)



CAS-No. 865-48-5

EC-No. 212-741-9

Molecular Formula  $C_4H_9NaO$

Product Number 408112

---

**APPLICATION** Deprotonation reactions in organic syntheses.

---

### FURTHER INGREDIENTS

Tetrahydrofuran

CAS-No. 109-99-9

EC-No. 203-726-8

---

### SPECIFICATION

Sodium tert-butoxide: 29 - 31 %

---

### METHOD OF ANALYSIS

Acidimetric titration of the hydrolyzed product for the determination of the total base. Detailed description available on request.

---

### PHYSICAL PROPERTIES

Appearance clear or light turbid liquid

Color yellowish to brownish

---

The information presented herein is believed to be accurate and reliable, but is presented without guarantee or responsibility on the part of Albemarle Corporation and its subsidiaries and affiliates. It is the responsibility of the user to comply with all applicable laws and regulations and to provide for a safe workplace. The user should consider any health or safety hazards or information contained herein only as a guide, and should take those precautions which are necessary or prudent to instruct employees and to develop work practice procedures in order to promote a safe work environment. Further, nothing contained herein shall be taken as an inducement or recommendation to manufacture or use any of the herein materials or processes in violation of existing or future patent.

Technical data sheets may change frequently. You can download the latest version from our website [www.albemarle-lithium.com](http://www.albemarle-lithium.com). Please contact us at [www.albemarle-lithium.com/contact](http://www.albemarle-lithium.com/contact) with questions.

Crystallization temperature	< 0 °C
Flash point	-21.2 °C (Tetrahydrofuran)
Boiling point/boiling range	66 °C (Tetrahydrofuran)
Density	0.91 g/cm <sup>3</sup> at 20 °C
Water solubility	(Not applicable)
Molecular weight	96.10 g/mol

## HANDLING & STORAGE

Handling	<p>Sodium tert-Butoxide should be handled under inert gas atmosphere.</p> <p>Avoid contact with eyes, skin and clothes as well as inhalation.</p> <p>Sodium tert-Butoxid decomposes in contact with humidity.</p> <p>Pay also attention to the Safety Data Sheet.</p>
Storage	<p>Sodium tert-Butoxid should be stored in tightly closed containers under exclusion of humidity at gentle temperatures. The product starts to form crystalline precipitates on cooling below abt. 0 °C. Recommended storage temperature: min. 10 °C.</p> <p>Keep away from heat, sparks and fire. Pay also attention to the Safety Data Sheet.</p>

## TRANSPORT & PACKAGING

UN number 2924

ADR	Class: 3	PG: II	Label: 3 (8)
RID	Class: 3	PG: II	Label: 3 (8)
IMDG	Class: 3	PG: II	Label: 3 (8)
IATA_C	Class: 3	PG: II	Packing instruction (cargo aircraft): 363
IATA_P	Class: 3	PG: II	Packing instruction (passenger aircraft): 352

The information presented herein is believed to be accurate and reliable, but is presented without guarantee or responsibility on the part of Albemarle Corporation and its subsidiaries and affiliates. It is the responsibility of the user to comply with all applicable laws and regulations and to provide for a safe workplace. The user should consider any health or safety hazards or information contained herein only as a guide, and should take those precautions which are necessary or prudent to instruct employees and to develop work practice procedures in order to promote a safe work environment. Further, nothing contained herein shall be taken as an inducement or recommendation to manufacture or use any of the herein materials or processes in violation of existing or future patent.

Technical data sheets may change frequently. You can download the latest version from our website [www.albemarle-lithium.com](http://www.albemarle-lithium.com). Please contact us at [www.albemarle-lithium.com/contact](http://www.albemarle-lithium.com/contact) with questions.

Hazard pictograms



Signal Word                      Danger

H&P Phrases                      See Safety Data Sheet

Labelling                      The labelling is according to EU-GHS classification ((EG) 1272/2008) and may vary in other countries. Please refer to the respective Safety Data Sheet for your country.

Packaging

Glass bottles of 100, 250, 500 and 1,000 ml. Steel bottles with volumes of 7.4, 27, 127 or 450 l. For safety reasons these are filled to a maximum of 90 %. Steel drums up to 200 l.

---

OTHER INFORMATION

Further Related                      Safety Data Sheet  
Documents

Our brochure(s)                      Alkoxides, Trifold - Specialties for Deprotonation

---

The information presented herein is believed to be accurate and reliable, but is presented without guarantee or responsibility on the part of Albemarle Corporation and its subsidiaries and affiliates. It is the responsibility of the user to comply with all applicable laws and regulations and to provide for a safe workplace. The user should consider any health or safety hazards or information contained herein only as a guide, and should take those precautions which are necessary or prudent to instruct employees and to develop work practice procedures in order to promote a safe work environment. Further, nothing contained herein shall be taken as an inducement or recommendation to manufacture or use any of the herein materials or processes in violation of existing or future patent.

Technical data sheets may change frequently. You can download the latest version from our website [www.albemarle-lithium.com](http://www.albemarle-lithium.com). Please contact us at [www.albemarle-lithium.com/contact](http://www.albemarle-lithium.com/contact) with questions.