

TECHNICAL DATA SHEET

Date of Issue: 2017/10/18

Sodium Hydride, 60 % in Mineral Oil

CAS-No. 7646-69-7

EC-No. 231-587-3

Molecular Formula NaH

Product Number 408164

APPLICATION

Very strong base, application in condensation reactions (Claisen, Dieckmann and related condensations) C-, N-, O-alkylations and acylations, synthesis of sodium alcoholates, reducing agent for certain compounds.

FURTHER INGREDIENTS

White mineral oil

CAS-No. 8042-47-5

EC-No. 232-455-8

SPECIFICATION

Sodium Hydride: 57 - 63%

PHYSICAL PROPERTIES

Appearance oiled powder

Color white to gray

Decomposition temperature 225 °C

Flash point 165 °C

Boiling point/boiling range > 225 °C

Density 0.92 g/cm³ at 20 °C

Bulk density 0.60 kg/m³ (ca.)

Water solubility (Not applicable)

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. Please contact us at www.albemarle-lithium.com/contact with questions.



Molecular weight 23.99 g/mol

HANDLING & STORAGE

Handling Protective clothing should always be used when handling the product. Pay further attention to the official safety regulations (see also: "Transport Regulations" and "GHS Hazard Pictograms").

Storage Sodium Hydride reacts vigorously with water evolving hydrogen. The product should be stored in well closed containers in a cool, dry and well ventilated place separate from water and other chemical reactive materials. In well closed and tight containers and in absence of air and humidity the product has a shelf life of 12 months upon receipt at the customer.

TRANSPORT & PACKAGING

UN number 1427

ADR	Class: 4.3	PG: I	Label: 4.3
RID	Class: 4.3	PG: I	Label: 4.3
IMDG	Class: 4.3	PG: I	Label: 4.3
IATA_C	Class: 4.3	PG: I	Packing instruction (cargo aircraft): 487
IATA_P	Class: 4.3	PG: I	

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.

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Packaging

Inner packing: Standard packing is 5 kg toluene soluble bags. Smaller bag sizes and SecuBags® are available on request.

Outer packing: Appropriate clamping ring steel drums.

OTHER INFORMATION

Further Related Documents	Safety Data Sheet
Our brochure(s)	Metal Hydrides

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