# TECHNICAL DATA SHEET

Date of Issue: 2016/12/12

# Lithium Nitride

CAS-No. 26134-62-3

EC-No. 247-475-2

Molecular Formula Li3N

Product Number 401121

#### **SPECIFICATION**

Lithium Nitride: min. 94%

#### METHOD OF ANALYSIS

Assay by determination of nitrogen by the method of Kjeldahl. A detailed laboratory instruction is available on request.

### PHYSICAL PROPERTIES

Appearance fine powder

Color red brown

Melting point/ range ca. 840 - 845 °C

Density ca. 1.38 g/cm3 at 20 °C

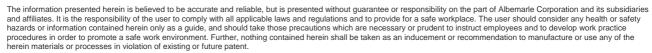
Water solubility (Not applicable)

Molecular weight 34.82 g/mol

Additional Physical

**Properties** 

Theoretical lithium weight: 59.8 %





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#### HANDLING & STORAGE

Handling Lithium Nitride should be handled under inert gas atmosphere. Avoid contact with

eyes, skin and clothes as well as inhalation. Lithium Nitride decomposes in contact

with humidity. Pay also attention to the Safety Data Sheet.

Storage Lithium Nitride should be stored in tightly closed containers under exclusion of

humidity at gentle temperatures. Keep away from heat, sparks and fire. We recommend to use Lithium Nitride within a period of six months after receipt. Pay

also attention to the Safety Data Sheet.

### TRANSPORT & PACKAGING

#### UN number 2806

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): 488
IATA_P	Class: 4.3	PG: I	

## Hazard pictograms



Signal Word Danger

H&P Phrases See Safety Data Sheet

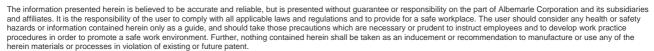
Labelling The labelling is according to EU-GHS classification ((EG) 1272/2008) and may vary

in other countries. Please refer to the respective Safety Data Sheet for your country.

## Packaging

Inner packing: Standard packing is 10 kg Polyethylene (PE) bags. Smaller bag sizes available on request.

Outer packing: Appropiate clamping ring steel drums.





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## OTHER INFORMATION

Further Related Documents

Safety Data Sheet

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.

