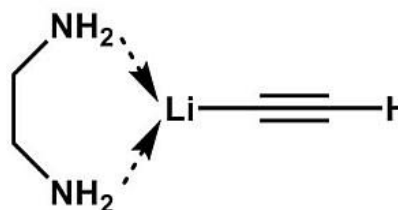


## TECHNICAL DATA SHEET

Date of Issue: 2025/01/28

# Lithium Acetylide - Ethylene Diamine Complex (LAEDA)



CAS-No.	6867-30-7
EC-No.	229-967-9
REACH No.	01-2120119136-65-0000
Molecular formula	C <sub>2</sub> H <sub>8</sub> N <sub>2</sub> · C <sub>2</sub> H-Li
Product number	10000495

**APPLICATION** Synthesis of substituted acetylenes by reaction with organic halides or with ketons.

## SPECIFICATION

LAEDA: min. 90 %

## METHOD OF ANALYSIS

Volumetric determination of acetylene gas after decomposition with water. Detailed description available on request.

## PHYSICAL PROPERTIES

Appearance	powder
Color	light yellow to brown

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.com](http://www.albemarle.com).

Please contact us at [www.albemarle.com/contact](http://www.albemarle.com/contact) with questions.

Product number: 10000495  
Date of Issue: 2025/01/28Density 1.04 g/cm<sup>3</sup> at 20 °CBulk density ca. 400 kg/m<sup>3</sup>

Water solubility (Not applicable)

Molecular weight 92.07 g/mol

**Additional Physical Properties** In spite of their slow reaction with lithium acetylide-ethylene diamine, N,N'-dimethyl formamide and N,N'-dimethyl acetamide are suitable for many reactions.

## HANDLING & STORAGE

**Handling** Keep and handle under inert gas. Use product only in closed system. Protect from frost, heat and sunlight. Do not allow contact with air. Keep away from heat and sources of ignition. Dust may form explosive mixture in air. Never add water. Do not store near to Acids or together with Carbon dioxide (CO<sub>2</sub>), Alcohols, Copper, Copper alloys, Halogenated compounds, Mercury, Silver. Pay also attention to the official safety regulations (see "GHS Hazard Pictograms") and to the Safety Data Sheet - Section 7.

**Storage** When stored according to SDS the material has limited stability due to decomposition over time. We therefore recommend to retest the material 6 month after date of analysis if included on CoA. If not included, use the date of manufacturing for the calculation. For optimum storage stability keep temperature at 0 to 4°C (storage in a refrigerator is recommended). Thermal decomposition with gas evolution starts at a temperature of 40 °C.

## TRANSPORT & PACKAGING

UN number 3131

ADR	Class: 4.3	PG: I	Label: 4.3 (8)
RID	Class: 4.3	PG: I	Label: 4.3 (8)
IMDG	Class: 4.3	PG: I	Label: 4.3 (8)
IATA_C	Class: 4.3	PG: I	Packing instruction (cargo aircraft): 488
IATA_P	Class: 4.3	PG: I	

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Product number: 10000495  
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## 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

100 g to 1 kg Polyethylene (PE) bag in steel drum with polyethylene inliner. PE bags and Secubags in secondary PE bags and tin can are available on request.

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**OTHER INFORMATION**

Further Related           Safety Data Sheet

Documents

Our brochure(s)        Organolithium Compounds

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