

TECHNICAL DATA SHEET

Date of Issue: 2016/08/29

Rubidium Nitrate, technical grade

CAS-No. 13126-12-0

EC-No. 236-060-1

Molecular Formula RbNO_3

Product Number 427051

APPLICATION

Rubidium nitrate is used e.g. as a promoter in heterogeneous catalysts or in pyrotechnics.

PURITY

technical grade

SPECIFICATION

Li max. 100 ppm

Na max. 100 ppm

K max. 0.5 %

Cs max. 0,5 %

Ca max. 50 ppm

Mg max. 10 ppm

Sr max. 50 ppm

Ba max. 100 ppm

Al max. 5 ppm

Fe max. 5 ppm

Cr max. 1 ppm

Mn max. 1 ppm

SO₄ max. 500 ppm

Cl max. 500 ppm

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.

PHYSICAL PROPERTIES

Appearance	powder crystalline
Color	white
Melting point/ range	310 °C
Density	ca. 3.11 g/cm ³ at 20 °C
Bulk density	(not determined)
Water solubility	480 g/L at 20 °C
Molecular weight	147.47 g/mol
Additional Physical Properties	Rubidium content: 57.96 % (theoretical)

HANDLING & STORAGE

Handling Like all nitrates, rubidium nitrate is an oxidizer and should not be brought into contact with flammable substances and oxidizable powders (risk of fire hazards). Avoid contact with strong acids and high temperatures (generation of nitric oxide fumes).

TRANSPORT & PACKAGING

UN number 1477

ADR	Class: 5.1	PG: III	Label: 5.1
RID	Class: 5.1	PG: III	Label: 5.1
IMDG	Class: 5.1	PG: III	Label: 5.1
IATA_C	Class: 5.1	PG: III	Packing instruction (cargo aircraft): 563
IATA_P	Class: 5.1	PG: III	Packing instruction (passenger aircraft): 559

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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

PE bags with aluminium barrier in drums (fiber drums, clamping ring drums, steel drums, steel drums with polypropylene inner lining).

OTHER INFORMATION

Further Related Documents

Safety Data Sheet

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