

EC Safety Data Sheet NordBlast Oy

according to Regulation No. 1907/2006 and No. 1272/2008

Trade name: Oxiblast Alumiinioksidi 9 kg

Date: 10.01.2025

1 Product and company identification

Trade name

Brown fused alumina

Product category

Blasting abrasive, grinding abrasive

REACH registration number

01-2119529248-35-0191

Manufacturer / Supplier

Cerablast GmbH & Co. KG

Friederike-Franck-Str.9 D-74369

Löchgau www.cerablast.com

Emergency telephone

+49 7143-889220

2 Possible dangers

Dangers identification

According to CLP Regulation 1272/2008/EC no labelling requirements (no H-phrases; P-phrases: P260, P280, P281).

Please consider the information in this safety data sheet.

No silicosis danger during application.

Additional hazard notes for human beings and environment

During the mechanical use (e.g. in blasting machines) dust and vapour may occur. The usual precautions should be taken. The statutory limit values for dust and vapour in your country have to be observed (see section 8).

3 Composition / information of ingredients

Chemical characterisation of ingredients (average values):

Al₂O₃ 95,2%

SiO₂ -> not silicogenic resp. crystalline 1,3%

TiO₂ 2,9%

CaO + MgO 0,4%

Fe₂O₃ 0,2%

Cas-No. 1344-28-1 EINECS 215-691-6

Hazardous substances are not contained.

4 First-aid measures

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General information

In case of health disorder turn to a doctor.

Air inhalation

Ensure supply of fresh air. In case of lasting troubles consult a doctor.

Air skin contact

Remove by washing with water.

Air eye contact

Rinse out with plenty of water; remove contact lenses. Consult an ophthalmologist.

Air ingestion

Rinse mouth and drink plenty of water; In case of sickness, consult a doctor.

Notes for the medical doctor

None.

5 Fire-fighting measures

Convenient fire extinguishing media

Product itself is not inflammable. Adapt extinguishing measures to surroundings.

Special hazards coming up from the substance or alloy

None known.

Additional information for the fire-fighting

In case of fire use self-contained breathing apparatus.

6 Accidental release measures

Personal precautions

Avoid dust formation; please consider safety precautions in chapter 7 and 8.

Environmental precautions

None known.

Methods for cleaning up

Collect mechanically and dispose according to the rules or continue to use.

Additional information

None known.

7 Handling and storage

Handling

Avoid dust formation.

Storage

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Keep in a dry place.

Storage class (VCI)

10-13

Specific uses

See chapter 1

8 Exposure control / personal protection

German workplace exposure limits (WEL) for inhalable dust

Inhalable dust 10mg/m³ *

Respirable dust 1,25mg/m³ *

BFA contain natural radionuclides. Under the mentioned occupational safety conditions and during correct handling the exposure is lower than 1mSv per year.

*according to TRGS 900 each with excess factor of 2

Occupational exposure limits (OEL) of the European Union

Country specific. Inquire in individual cases.

Exposure control

Technical measures and the implementation of suitable operational processes have preference over the use of personal precautions.

Personal protective equipment

The type of personal protective equipment must be selected specifically depending on the concentration and quantity of hazardous substances on the workplace.

Hand protection

Leak-tight gloves

Eye protection

Tight-fitting safety goggles pursuant to EN 166:2001

Skin protection

Normal working clothes and safety shoes are recommended.

Respiratory protection

In case of exceedance of the workplace exposure limits wear a respirator type FFP2.

General safety precautions

Avoid contact with skin, eyes and mucous membranes.

9 Physical and chemical properties

Physical state

Solid

Form

Edged

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Colour	Brown
Odour	Odourless
pH value	Insoluble in water

Melting point	Approx. 1.950°C
Boiling point	Not determined
Flash point	Not determined
Ignition temperature	Not determined
Explosive properties	The product is not explosive, but the formation of explosive dust-air mixtures is possible.
Lower explosive limit	None known
Upper explosive limit	None known
Vapour pressure	Data not available
Density	Approx. 4,0 g/cm ³
Solubility in water	Not water-soluble

10 Stability and reactivity

In case of appropriate use no hazardous decomposition products are known as well as no hazardous reactions are expected. Hazardous reactions cannot be excluded if the product comes in touch with specified substances (sodium nitrate, ethylene oxide, fluorine, vinyl acetate, hydrogen halides, halocarbons).

11 Toxicological information

Information about toxicological impacts The substance is not classified as organ toxic.

Further information

Quantitative data about toxicity do not exist. During proper handling and application no hazardous properties are expected. But they cannot completely be excluded. The common safety precautions during contact with chemical substances are to be considered.

12 Ecological information

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Ecotoxicity

No ecological problems are to be expected if Brown fused alumina is handled and used correctly.

Persistence and degradability

According to experience this product is inert and non-degradable.

Bioaccumulation potential

No data available. A concentration in organic material is rather improbable as it is inert and insoluble.

Mobility

According to experience this product is not mobile.

Results of the verification of the PBT properties

The ingredients of this product do not fulfil the criteria to be classified as PBT or vPvB. (very Persistent and very Bioaccumulative)

Other harmful effects

No harmful effects are known.

13 Disposal considerations

In the Member States of the European Union do not exist standardized regulations for disposal. Please contact the responsible institution in your country to get detailed information about recycling or disposal.

14 Transport information

Not considered as hazardous material as defined by the following transport regulations:

- Land transport ADR / RID
- Sea transport IMDG Code / GGVSee
- Air transport ICAO-TI and IATA-DGR

15 Regulatory information

Chemical safety assessment (CSA)

A chemical safety assessment was not executed for this item.

Classification / labelling according to EEC directives

None required

Hazard designations of the item

None required

H-Phrases

Not required

P-Phrases

P260 (Do not breathe dust/fume/gas/mist/vapours/spray.)

P280 (Wear protective gloves/protective clothing/eye protection/face protection.)

P281 (Use personal protective equipment as required.)

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EU

regulations None known.

Hazardous Incident Ordinance

Ingredients not specifically mentioned.

Technical Instructions on Air Quality

Control Ingredients not specifically mentioned.

Water hazard class

Not classified as hazardous to water according to VwVwS (Administrative regulation on substances hazardous to water).

16 Other information

The indications made in this safety data sheet are based on the present state of our know-how and experience. All indications made in this safety data sheet concerning composition, dangers, first aid, fire-fighting measures, accidental release measures, handling and storage, exposure control and personal protection, physical and chemical properties, stability and reactivity, toxicological information, ecological information, disposal information, transport information and regulatory information are only valid for the unused product and not for abrasive waste or processed products in which the product of this safety data sheet is a part of.

The indications do not constitute any guarantee with regard to product and do not create a contractual legal relationship. The indicated data is only necessary to give a safety-related review.