

Boron Nitride CARESS BN

MATERIAL SAFETY DATA SHEET

(According to regulation (EU) Nr 453/2010 on 20 May 2010 modifying the regulation (EU) Nr.1907/2006, article 31)

1 - IDENTIFICATION

1.1 Product Identifier : CARESS BN005, CARESS BN02, CARESS BN06, CARESS BN09, CARESS BN12 CARESS BN15, CARESS BN18, CARESS BN30 (Boron Nitride Powder)

1.2 Identified Use:
Cosmetic formulations

1.3 Information about Manufacturer:

Bent Tree Industries Europe
Pruehler Muehle 1
91483 Oberscheinfeld
GERMANY
Telephone no. +49 9167 1303
Fax no. +49 9167 1302

Mail: rdamasch@yahoo.de

1.4 Further information: +49 91671301
Emergency telephone: +49 551 192 40

2 - HAZARDS IDENTIFICATION

2.1 Classification of the mixture/ the substance:

This product does not meet the classification and labelling criteria given in the Regulation (EC) No 1272/2008 (CLP).

This product does not meet the classification and labelling criteria given in the Dangerous Preparations Directive 67/548/EC (DSD)

2.2 Labelling Elements:
Not relevant

2.3 Others Hazards :
No data available.

3 - COMPOSITION / INFORMATION ON INGREDIENTS

PRODUCT DESCRIPTION

Substances (INCI)	CAS	EINECS	%	Symbol	Risks
Boron Nitride	10043-11-5	233-136-6	Min. 99%	BN	n.a.

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4 - FIRST AID MEASURES

Ingestion: No special measures necessary. By continuous complaints consult a physician.

Skin contact : No special measures necessary.

Eye contact: In case of contact with eyes rinse thoroughly with plenty of water. If symptoms persist, seek medical advice.

Inhalation: Ensure supply of fresh air.

5 - FIRE FIGHTING MEASURES

5.1 Suitable extinguishing media:

No data available.

5.2 Special hazards arising from the substance or mixture:

No data available.

5.3 Advice for fire fighters:

Product itself does not burn. Adapt extinguisher and fire-fighting measures to fire in the environment.

6 - ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures :

For non-emergency personnel

Avoid dust formation. Refer to protective measures listed in sections 7 and 8. High risk of slipping due to leakage/spillage of product.

For emergency responders

No data available. Personal protective equipment (PPE) - see Section 8.

6.2 Environmental precautions:

Cover spilled material in a regular manner to prevent dispersion by wind.

6.3 Methods and materials for containment and cleanup:

Take up mechanically and send for disposal. Clean contaminated surfaces thoroughly with water and soap.

6.4 References to other sections:

No data available.

7 - HANDLING AND STORAGE

7.1 Precautions for safe handling:

Advice on safe handling

Avoid dust formation. Ensure adequate ventilation.

General protective and hygiene measures

Do not eat, drink or smoke during work time. After worktime and during work intervals the affected skin areas must be thoroughly cleaned.

Advice on protection against fire and explosion

No special measures necessary.

7.2 Conditions for safe storage, including any incompatibilities:

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Technical measures and storage conditions

Keep container tightly closed. Keep dry in a cool, well-ventilated place.

Requirements for storage rooms and vessels

Keep in original packaging, tightly closed.

Advice on storage assembly

None known

7.3 Use (s) final (s) particular (s):

No data available.

8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

Appropriate engineering controls

No data available.

Personal protective equipment

Respiratory protection

In case of dust formation, use a fine dust face mask.

Eye / face protection

Safety glasses recommended

Hand protection

No special measures required.

Environmental exposure controls

No data available.

9 - PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on the physical and chemical characteristics

Form/Colour

Powder

white

Odour

odourless

Odour threshold

No data available

pH value

Not applicable

Boiling point / boiling range

Not applicable

Melting point / melting range

Not applicable

Decomposition point / decomposition range

No data available

Flash point

No data available

Auto-ignition temperature

No data available

Oxidising properties

No data available

Explosive properties

No data available

Flammability (solid, gas)

No data available

Lower flammability or explosive limits

No data available

Upper flammability or explosive limits

No data available

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Vapour pressure

No data available

Vapour density

No data available

Evaporation rate

No data available

Relative density

No data available

Density

Value 2,25 g/cm³
Reference temperature 20 °C
Reference pressure 1013 hPa

Bulk density

Value 200-700 kg/m³

Solubility in water

Reference temperature 20 °C
Remarks essentially insoluble

Solubility(ies)

No data available

Partition coefficient: n-octanol/water

No data available

Viscosity

No data available

9.2 Other information :**Other information**

No data available.

10 - STABILITY AND REACTIVITY

10.1 Reactivity :

No data available.

10.2 Chemical stability:

No data available.

10.3 Possibility of Hazardous Reactions:

No data available.

10.4 Conditions to avoid:

No hazardous reactions known. Stable under recommended storage and handling conditions (see section 7).

10.5 Incompatible materials:

None known.

10.6 Hazardous decomposition products:

None, if handled according to order

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11 - TOXICOLOGICAL INFORMATION

Acute oral toxicity

LD50 > 50000 mg/kg
Species Rat
Source RTECS

Acute dermal toxicity

LD50 > 45000 mg/kg
Species Rabbit
Source RTECS

Acute inhalational toxicity

No data available

Skin corrosion/irritation

No data available

Serious eye damage/irritation

No data available

Respiratory or skin sensitisation

No data available

Germ cell mutagenicity

No data available

Reproduction toxicity

No data available

Carcinogenicity

No data available

STOT-single exposure

No data available

STOT-repeated exposure

No data available

Aspiration hazard

No data available

Other information

12 - ECOLOGICAL INFORMATION

12.1 Toxicity

Fish toxicity

No data available

Daphnia toxicity

No data available

Algae toxicity

No data available

Bacteria toxicity

No data available

12.2 Persistence and degradability

Behavior in sewers (waste treatment plants)

If appropriate application no interferences in sewage treatment plants

May be separated out mechanically in purification plants

12.3 Bioaccumulative potentia

No data available

12.4 Mobility in soil

Remarks Product is insoluble in water

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12.5 Results of PBT and vPvB assessment

No data available

12.6 Other adverse effect

No ecological effect to be expected, if used and handled as intended.

13 - DISPOSAL CONSIDERATIONS

Product:

Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company. Waste disposal in accordance with the regulations of the local authorities can either be incinerated or deposited with household garbage.

Used packaging:

Completely discharge containers (no tear drops, no powder rest, scraped carefully). Containers may be recycled or re-used. Observe local/state/federal regulations.

14 - TRANSPORT INFORMATION

14.1 Transport ADR/RID/ADN

The product is not subject to ADR/RID/ADN regulations.

14.2 Transport IMDG

The product is not subject to IMDG regulations.

14.3 Transport ICAO-TI / IATA

The product is not subject to ICAO-TI / IATA regulations.

14.4 Other information

No data available.

14.6 Special precautions for user

No data available.

14.7 Transportation in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not relevant.

15 - REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

EU regulations

Restriction of occupation

Adhere to the national sanitary and occupational safety regulations when using this product.

Council Directive 96/82/EC on the control of major-accident hazards involving dangerous substances

Remarks Annex I, part 1 + 2: not mentioned. With regard to possibly appropriate decomposition products see Chapter 10.

National regulations

National chemical inventories

EINECS/ELINCS (European Community)

listed

TSCA (USA)

listed

DSL/NDSL (Canada)

listed

MITI/ENCS (Japan)

listed

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ECL (Corea)	listed
AICS (Australia)	listed
IECSC / NEPA (China)	listed
PICCS (Philippines)	listed

15.2 Evaluation of chemical safety:

No data available.

16 - OTHER INFORMATION

Advice concerning the product:

Sources of key data used to compile the data sheet:

EC Directive 67/548/EC resp. 99/45/EC as amended in each case.

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.

EC Directives 2000/39/EC, 2006/15/EC, 2009/161/EC

National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding chapter.

This document completes the product technical data sheet but does not replace it. The information contained in this notice is based on current knowledge and relates to the product in the state in which it is delivered. It is intended to describe the product from the point of view of safety requirements and does not guarantee any particular property or use.

The user takes full responsibility for the use of the product and it is his further responsibility to ensure that the product is employed in complete conformity with all relevant legislation and regulation.