



MATERIAL SAFETY DATA SHEET
In accordance with the Regulation on Safety Data
Sheets Regarding Hazardous Substances and
Mixtures published in the Official Journal numbered
29204 on December 13, 2014 (R.G. 13.12.2014-29204)

BORON 10

**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE
COMPANY/UNDERTAKING**

1.1. Identification of the substance/mixture and of the company/undertaking

Product Name : Boron 10

1.2. Relevant identified uses of the substance or mixture and uses advised against

Intended Uses : The product is used as fertilizer.

1.3. Details of the supplier of the safety data sheet

Firm Name : Neris Yatırım Gıda İnşaat Sanayi ve Ticaret A.Ş

Address : Polatlı 2. OSB Çekirdeksiz Mah. 316. Cad. No:13/1 Polatlı -
ANKARA - Türkiye

Telephone : +90 (312) 970 19 95

Web Address : www.nerisgroup.com

E-Mail Address : nesren.altan@nerisgroup.com

Contact Person : Nesren ALTAN

Contact Number : +90(507) 033 31 33

1.4. Emergency telephone number

Emergency Telephone Number: +90(507) 033 31 33

UZEM : 114



SECTION 2: HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture

Reproduction Toxicity, Category 1B, H360FD

Preparation Date: 14.02.2020	MSDS Preparer's Certificate Number: GBF-A-0-2926	Page 1/10
Revision Date: -		
Revision No: -		



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Sheets Regarding Hazardous Substances and
Mixtures published in the Official Journal numbered
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BORON 10

2.2 Label elements

Hazard pictograms (SEA):



Signal word (SEA):

Danger

Hazard statements (SEA):

H360FD: May damage fertility or the unborn child.

GHS Code

GHS08

Precautionary statements (SEA):

P201: Obtain special instructions before use.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P308+P313: IF exposed or concerned: Get medical advice/attention.

P405: Store locked up.

P501: Dispose of contents/container to in accordance with regional regulations.

2.3 Other hazards

Other effects are mentioned on Section 16.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Composition/information on ingredients

Boron 10 includes chemical raw materials.

Preparation Date: 14.02.2020	MSDS Preparer's Certificate Number: GBF-A-0-2926	Page 2/10
Revision Date: -		
Revision No: -		



MATERIAL SAFETY DATA SHEET
In accordance with the Regulation on Safety Data
Sheets Regarding Hazardous Substances and
Mixtures published in the Official Journal numbered
29204 on December 13, 2014 (R.G. 13.12.2014-29204)

BORON 10

3.2 Information on Ingredients

Raw Materials Chemical Name	CAS Number	EINECS/ELINCS Number	Concentration (%)	Hazard Class
Boric Acid	10043-35-3	233-139-2	≤65	Repr. 1B; H360FD: C ≥ 5,5 %

SECTION 4: FIRST AID MEASURES

In case of eye contact : Rinse with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If need get medical advice/attention.

In case of skin contact : Clean skin with soap and plenty of water.

If swallowed : Rinse mouth with water. Call a Poison Center or get medical advice/attention.

If inhaled : Remove person to fresh air and keep comfortable for breathing.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Carbon dioxide foam, water spray or dry chemical extinguishers.

5.2. Special hazards arising from the substance or mixture

Avoid contact with other combustible materials.

5.3. Advice for firefighters

Use NIOSH-approved respirator including the full face and eye protection and wear rubber gloves.

Preparation Date: 14.02.2020	MSDS Preparer's Certificate Number: GBF-A-0-2926	Page 3/10
Revision Date: -		
Revision No: -		



MATERIAL SAFETY DATA SHEET
In accordance with the Regulation on Safety Data
Sheets Regarding Hazardous Substances and
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29204 on December 13, 2014 (R.G. 13.12.2014-29204)

BORON 10

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective equipments which are mentioned on Section 8.

6.2. Environmental precautions

Keep out off overground and underground waters.

6.3. Methods and materials for containment and cleaning up

Absorb spills with inert material and put chemicals into waste containers.

6.4. Reference to other sections

Reference to other sections are mentioned on Section 13.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Keep away from heat/sparks/open flames/hot surfaces. Store in a cool and dry place. It should not be exposed to direct sunlight. Keep away from extreme heat. Avoid formation of dust and aerosols. Avoid exposure

7.2. Conditions for safe storage, including any incompatibilities

Keep away from heat/sparks/open flames/hot surfaces. Store in tightly closed containers. Store in a cool and dry place away from nonconcurrent materials. Keep container tightly closed in a dry and well-ventilated place.

7.3. Specific end use(s)

There is not use of the product other than that specified in Section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

No data available.

Preparation Date: 14.02.2020	MSDS Preparer's Certificate Number: GBF-A-0-2926	Page 4/10
Revision Date: -		
Revision No: -		



MATERIAL SAFETY DATA SHEET
In accordance with the Regulation on Safety Data
Sheets Regarding Hazardous Substances and
Mixtures published in the Official Journal numbered
29204 on December 13, 2014 (R.G. 13.12.2014-29204)

BORON 10

8.2. Exposure controls

8.2.1. Appropriate engineering controls

No data available.

8.2.2. Personal protective equipment

Eye/face protection : Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection : Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product.

Respiratory protection : Wear respiratory protective mask (type N100 (US) or type P3 (EN 143) during operation.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance : Solid

Colour : White

Odour : Odourless

pH (at 20°C) : 4,5-5,5

Melting point/freezing point : Not available

Flash point : Not available

Initial boiling point : Not available

Solubility : Not available

Viscosity : Not available

Preparation Date: 14.02.2020	MSDS Preparer's Certificate Number: GBF-A-0-2926	Page 5/10
Revision Date: -		
Revision No: -		



MATERIAL SAFETY DATA SHEET
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Sheets Regarding Hazardous Substances and
Mixtures published in the Official Journal numbered
29204 on December 13, 2014 (R.G. 13.12.2014-29204)

BORON 10

Density (at 20°C) : 0,96 gram/cm³ (loose packaging); 1,13 gram/cm³ (tight packaging)

9.2. Other safety information

Other information is not available.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

Not available.

10.2. Chemical stability

The product is stable under normal conditions during transportation, storage and use.

10.3. Possibility of hazardous reactions

Not available.

10.4. Conditions to avoid

Exposure to moisture.

10.5. Incompatible materials

Potassium, Acid anhydrides

10.6. Hazardous decomposition products

Hazardous decomposition products formed under fire conditions: Borane/boron oxides

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Boric Acid

LD50 Oral 3450 mg/kg

LD50 Dermal >2000 mg/kg

[Ref: www.echa.europa.eu]

Preparation Date: 14.02.2020	MSDS Preparer's Certificate Number: GBF-A-0-2926	Page 6/10
Revision Date: -		
Revision No: -		



MATERIAL SAFETY DATA SHEET
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Sheets Regarding Hazardous Substances and
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BORON 10

Mixture

Acute toxicity : Not classified

Skin corrosion/irritation : Not classified

Serious eye damage/irritation : Not classified

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

Aspiration hazard : Not classified

SECTION 12: ECOLOGICAL INFORMATION

Boric Acid

LC50 - *Ptychocheilus lucius* - 279 mg/l - 96 h (fish)

EC50 - *Daphnia magna* (Supiresi) - 133 mg/l - 48 h

Mixture

Ecology - general : Not classified

Acute aquatic toxicity : Not classified

Chronic aquatic toxicity : Not classified

12.3 Bioaccumulative potential

No data available.

12.4 Mobility in soil

No data available.

Preparation Date: 14.02.2020	MSDS Preparer's Certificate Number: GBF-A-0-2926	Page 7/10
Revision Date: -		
Revision No: -		



MATERIAL SAFETY DATA SHEET
In accordance with the Regulation on Safety Data
Sheets Regarding Hazardous Substances and
Mixtures published in the Official Journal numbered
29204 on December 13, 2014 (R.G. 13.12.2014-29204)

BORON 10

12.5 Results of PBT and vPvB assessment

No data available.

12.6 Other adverse effects

Another negative effect is not expected.

SECTION 13: DISPOSAL CONSIDERATION

13.1. Disposal considerations

Dispose of waste in accordance with national legislation.

Dispose of package in accordance with national legislation.

SECTION 14: TRANSPORT INFORMATION

RID: Not dangerous goods.

ADR: Not dangerous goods.

ADNR:-

IMDG Code: Not dangerous goods.

ICAO-TI:-

IATA-DGR Not dangerous goods.

14.1 UN number

No data available.

14.2 UN proper shipping name

No data available.

14.3. Transport hazard class(es)

No data available.

Preparation Date: 14.02.2020	MSDS Preparer's Certificate Number: GBF-A-0-2926	Page 8/10
Revision Date: -		
Revision No: -		



MATERIAL SAFETY DATA SHEET
In accordance with the Regulation on Safety Data Sheets Regarding Hazardous Substances and Mixtures published in the Official Journal numbered 29204 on December 13, 2014 (R.G. 13.12.2014-29204)

BORON 10

14.4. Packaging group

No data available.

14.5. Environmental hazards

No data available.

14.6. Special precautions for user

No data available.

14.7. MARPOL 73/78 Annex II and IBC Code

No data available.

SECTION 15: REGULATORY INFORMATION

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

- Regulation on Safety Data Sheets Regarding Hazardous Substances and Mixtures published in the Official Journal numbered 29204 on December 13, 2014
- Globally Harmonized System Of Classification And Labelling Of Chemicals (Ghs), ST/SG/AC.10/30/Rev.4
- Regulation on Restriction and Prohibition of Hazardous Substances and Mixtures published in the Official Journal numbered 27092 on December 26, 2008

SECTION 16: OTHER INFORMATION

Full text of H- statements

H360: May damage fertility or the unborn child.

Full text of P- statements

Prevention

P201: Obtain special instructions before use.

Preparation Date: 14.02.2020	MSDS Preparer's Certificate Number: GBF-A-0-2926	Page 9/10
Revision Date: -		
Revision No: -		



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Sheets Regarding Hazardous Substances and
Mixtures published in the Official Journal numbered
29204 on December 13, 2014 (R.G. 13.12.2014-29204)

BORON 10

P202: Do not handle until all safety precautions have been read and understood.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response

P308+P313: IF exposed or concerned: Get medical advice/attention.

Storage

P405: Store locked up.

Disposal

P501: Dispose of contents/container to in accordance with regional regulations.

Appendix

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Number of Certificate : GBF-A-0-2926

Preparation Date: 14.02.2020	MSDS Preparer's Certificate Number: GBF-A-0-2926	Page 10/10
Revision Date: -		
Revision No: -		