



**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)

**SOLUBORON 10 (CA)**

**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 : Soluboron 10 (Ca)

**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 -  
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Telephone : +90 (312) 970 19 95

Web Address : [www.nerisgroup.com](http://www.nerisgroup.com)

E-Mail Address : [nesren.altan@nerisgroup.com](mailto: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**

Oxidizing Solids 3 H272

Skin Irrit. 2 H315

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Eye Dam. 1 H318

Reproduction Toxicity, Category 1B, H360FD

## 2.2 Label elements

Hazard pictograms (SEA):



Signal word (SEA):

Warning, Danger

Hazard statements (SEA):

H272: May intensify fire; oxidizer.

H315: Causes skin irritation.

H318: Causes serious eye damage.

H360FD: May damage fertility or the unborn child.

GHS Code

GHS03, GHS05, GHS08

Precautionary statements (SEA):

P201: Obtain special instructions before use.

P210: Keep away from heat.

P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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.

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**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

**3.1 Composition/information on ingredients**

Soluboron 10 (Ca) includes chemical raw materials.

**3.2 Information on Ingredients**

Raw Materials Chemical Name	CAS Number	EINECS/ELINCS Number	Concentration (%)	Hazard Class
Disodium Octaborate	12280-03-4	233-139-2	≤51	Repr. 1B H360FD
Calcium Nitrate	10124-37-5	233-332-1	≤40	Oxidizing Solids 3 H272 Acute Tox. 4 H302 Skin Irrit. 2 H315 Eye Dam. 1 H318

**SECTION 4: FIRST AID MEASURES**

**In case of eye contact** : Immediately 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** : Immediately 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, alcohol-resisant foam, water spray or dry chemical extinguishers.

**5.2. Special hazards arising from the substance or mixture**

Avoid contact with other combustible materials.

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### **5.3. Advice for firefighters**

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

## **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.

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**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1. Control parameters**

No data available.

**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) : 6-7

Melting point/freezing

point : Not available

Flash point : Not available

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Initial boiling point : Not available

Solubility : Not available

Viscosity : Not available

Density (at 20°C) : 0,42 gram/cm<sup>3</sup> (loose packaging); 0,57 gram/cm<sup>3</sup> (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,

Nitrogen oxides (NO<sub>x</sub>), Calcium oxide

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**SECTION 11: TOXICOLOGICAL INFORMATION**

**11.1 Information on toxicological effects**

*Disodium Octaborate*

Acute Toxicity Data: oral lethal dose > 2 000 mg/kg bw

[Ref: [www.echa.europa.eu](http://www.echa.europa.eu) ]

*Calcium Nitrate*

Acute Toxicity Data: oral/rat lethal dose (50 percent kill): 302 mg/kg

[Ref: <https://pubchem.ncbi.nlm.nih.gov/compound/Calcium-nitrate>]

*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**

*Disodium Octaborate*

Ecotoxicity Avoid contaminating waterways.

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Persistence/degradability: Biodegradation is not an applicable endpoint since the product is an inorganic chemical.

Bioaccumulative potential: This product shows a low bioaccumulation potential.

*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.

**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: 1479

ADR: 1479

ADNR:-

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IMDG Code: 1479

ICAO-TI:-

IATA-DGR 1479

**14.1 UN number**

1479

**14.2 UN proper shipping name**

Oxidizing Solid, N.O.S.

**14.3. Transport hazard class(es)**

5.1, O2



**14.4. Packaging group**

III

**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.

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**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

H272: May intensify fire; oxidizer.

H315: Causes skin irritation.

H318: Causes serious eye damage.

H360FD: May damage fertility or the unborn child.

Full text of P- statements

*Prevention*

P201: Obtain special instructions before use.

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

P210: Keep away from heat.

P220: Keep/Store away from clothing/.../combustible materials.

P221: Take any precaution to avoid mixing with combustibles/...

P264: Wash your hand with plenty of water thoroughly after handling.

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

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*Response*

P302 + P352: IF ON SKIN: Wash with plenty water.

P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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

P310: Immediately call a POISON CENTER or doctor.

P321: Specific treatment (see ... on this label).

P332 + P313: If skin irritation occurs: Get medical advice/attention.

P362 + P364: Take off contaminated clothing and wash it before reuse.

P370 + P378: In case of fire: Use Carbon dioxide, alcohol-resisant foam, water spray or dry chemical extinguishers to extinguish.

*Storage*

P405: Store locked up.

*Disposal*

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

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Appendix

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***Details of MSDS Preparer:***

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