

# SAFETY DATA SHEET

## BORON 15

SDS # : 50001106  
Revision date: 27-04-2021  
Version 2  
Format: BR



### Section 1: PRODUCT AND COMPANY IDENTIFICATION

#### Product Identifier

**Product Name** BORON 15

#### Other means of identification

**Product Code(s)** 50001106, NP-0017-CR-A

**Synonyms** No information available

#### Recommended use of the chemical and restrictions on use

**Recommended Use:** A fertilizer with micronutrients for use in agriculture and horticulture.

**Restrictions on Use:** Use as recommended by the label.

#### Details of the supplier of the safety data sheet

**Supplier** FMC Agro Limited  
Rectors Lane  
Pentre  
Flintshire  
CH5 2DH  
United Kingdom  
Tel: + 44 1244 537370  
E-mail: fmc.agro.uk@fmc.com

#### Emergency telephone number

1 703 / 741-5970 (CHEMTREC - International)  
911

Guatemala - Center of Toxicological Information and Assistance - (502) 2251-3560 / 2232-0735

El Salvador - Rosales National Hospital - (503) 2231-9262

Honduras - Hospital School - (504) 232-6105

Nicaragua - National Center of Toxicology - (505) 2289-4700 ext. 1294 cel. 8755-0983

Costa Rica - National Center of Poisoning - (506) 2223-1028

Panama Center of Research and Information on Medications and Toxicology (507) 523-4948

### Section 2: HAZARDS IDENTIFICATION

**GHS Classification** Classification according to ABNT-NBR 14725-3 in accordance with the Globally Harmonized System (GHS)

#### **General Hazards**

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

#### GHS Label elements, including precautionary statements

**Signal Word** None

**Other Information**

NOTE

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

<b>Pure substance/preparation</b>	Mixture
<b>Chemical nature</b>	No hazardous ingredients requiring disclosure are contained in this product.

**Section 4: FIRST AID MEASURES****FIRST AID MEASURES**

<b>General Advice</b>	Do not induce vomiting or give anything by mouth to an unconscious person. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.
<b>Inhalation</b>	Move to fresh air. If symptoms persist, call a physician.
<b>Skin Contact</b>	Wash off immediately with soap and plenty of water.
<b>Eye Contact</b>	Hold eyes open and rinse slowly and gently with water for 15-20 minutes.
<b>Ingestion</b>	Clean mouth with water.
<b>Protection of first-aiders</b>	Avoid contact by using personal protective equipment. See Section 8 for more detail.

**Most important symptoms and effects, both acute and delayed**

<b>Most important symptoms and effects, both acute and delayed</b>	Skin contact: May see mild irritation at the site of contact.
	Eye contact: Possible irritation and redness.
	Ingestion: Possible irritation of the throat.
	Inhalation: May experience irritation of the throat with a feeling of tightness in the chest.
	Delayed/Immediate effects: Immediate effects can be expected after short-term exposure.

**Indication of any immediate medical attention and special treatment needed**

<b>Indication of immediate medical attention and special treatment needed, if necessary</b>	Treat symptomatically.
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**Section 5: FIRE FIGHTING MEASURES****Suitable Extinguishing Media**

Use extinguishing agent suitable for type of surrounding fire. Cool containers / tanks with water spray.

**Unsuitable extinguishing media**

No information available.

**Specific extinguishing methods**

Evacuate area and fight fire from a safe distance.

**Special protective equipment for fire-fighters**

As in any fire, wear self-contained breathing apparatus and full protective gear.

**Specific Hazards Arising from the Chemical**

Toxic fumes may be released in fire situations.

**Hazardous Combustion Products**

Carbon oxides (COx). Nitrogen oxides (NOx).

**Explosive properties**

**Sensitivity to Mechanical Impact** No information available.

**Sensitivity to Static Discharge** No information available.

**Section 6: ACCIDENTAL RELEASE MEASURES****Personal precautions, protective equipment and emergency procedures**

**Personal Precautions** For personal protection see section 8. Avoid contact with the skin and the eyes. Stop leak if you can do it without risk.

**Other** For further clean-up instructions, call Emergency Hotline number listed in Section 1 "Product and Company Identification" above.

**For emergency responders** Use personal protection recommended in Section 8.

**Environmental Precautions**

**Environmental Precautions** Do not discharge into drains or rivers. Contain the spillage using bunding. Accidental release into water courses must be alerted to the appropriate regulatory body.

**Methods and material for containment and cleaning up**

**Methods for Containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Clean contaminated surface thoroughly with excess of water. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

**Section 7: HANDLING AND STORAGE****Precautions for Safe Handling**

**Handling** Ensure adequate ventilation.

**Hygiene measures** Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes and clothing. Do not eat, drink or smoke when using this product.

**Conditions for safe storage, including any incompatibilities**

**Storage** Protect from freezing. Store above 5°C. Store in a well-ventilated place. Keep cool. Keep away from direct sunlight. Keep away from heat. Keep out of reach of children and animals. Keep away from food, drink and animal feedingstuffs.

**Incompatible products** Strong oxidizing agents. Strong acids.

**Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION****Exposure Guidelines****Appropriate engineering controls**

**Engineering measures** Ensure adequate ventilation, especially in confined areas.

#### Individual protection measures, such as personal protective equipment

<b>Eye/Face Protection</b>	Safety glasses. Maintain eye wash fountain and quick-drench facilities in work area.
<b>Skin and Body Protection</b>	Wear suitable protective clothing. Protective shoes or boots.
<b>Hand Protection</b>	Protective gloves
<b>Respiratory Protection</b>	Not required under normal use.
<b>Hygiene measures</b>	Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes and clothing. Do not eat, drink or smoke when using this product.
<b>General information</b>	If the product is used in mixtures, it is recommended that you contact the appropriate protective equipment suppliers.

### Section 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State</b>	Liquid
<b>Appearance</b>	colorless to pale yellow clear liquid
<b>Odor</b>	Barely perceptible
<b>Color</b>	Colorless yellow
<b>Odor threshold</b>	No information available
<b>pH</b>	7.5-8.5
<b>Melting point/freezing point</b>	No information available
<b>Boiling Point/Range</b>	No information available
<b>Flash point</b>	No information available
<b>Evaporation Rate</b>	No information available
<b>Flammability (solid, gas)</b>	No information available
<b>Flammability Limit in Air</b>	
Upper flammability limit:	No information available
Lower flammability limit:	No information available
<b>Vapor pressure</b>	No information available
<b>Vapor density</b>	No information available
<b>Relative Density</b>	1.34 - 1.36
<b>Water solubility</b>	Soluble in water
<b>Solubility in other solvents</b>	No information available
<b>Surface tension:</b>	No data available
<b>Partition coefficient</b>	No information available
<b>Autoignition temperature</b>	No information available
<b>Decomposition temperature</b>	No information available
<b>Viscosity, kinematic</b>	No information available
<b>Viscosity, dynamic</b>	No information available
<b>Explosive properties</b>	No information available
<b>corrosivity</b>	No information available
<b>Oxidizing properties</b>	Non-oxidizing
<b>Softening point</b>	No information available
<b>VOC content (%)</b>	No information available
<b>Relative density</b>	No information available
<b>Bulk density</b>	No information available

### Section 10: STABILITY AND REACTIVITY

#### Reactivity

Stable under recommended storage conditions.

#### Chemical Stability

Stable under recommended storage conditions.

#### Possibility of Hazardous Reactions

Decomposition can occur on exposure to heat or moisture.

**Conditions to avoid**

Excessive heat.

**Incompatible materials**

Strong oxidizing agents. Strong acids.

**Hazardous Decomposition Products**

May emit toxic fumes under fire conditions. Carbon oxides (COx). Nitrogen oxides (NOx).

**Section 11: TOXICOLOGICAL INFORMATION****Product Information****Information on likely routes of exposure**

<b>Inhalation</b>	May cause irritation of respiratory tract.
<b>Eye Contact</b>	May cause slight irritation.
<b>Skin Contact</b>	Prolonged contact may cause redness and irritation.
<b>Ingestion</b>	Ingestion may cause irritation to mucous membranes.

**Information on toxicological effects**

<b>Symptoms</b>	Skin contact: May see mild irritation at the site of contact.
	Eye contact: Possible irritation and redness.
	Ingestion: Possible irritation of the throat.
	Inhalation: May experience irritation of the throat with a feeling of tightness in the chest.
	Delayed/Immediate effects: Immediate effects can be expected after short-term exposure.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

<b>Sensitization</b>	No information available.
<b>Mutagenicity</b>	No information available.
<b>Carcinogenicity</b>	No information available.
<b>Reproductive toxicity</b>	No information available.
<b>Developmental toxicity</b>	No information available.
<b>Target organ effects</b>	No information available.
<b>Neurological effects</b>	No information available.

**Section 12: ECOLOGICAL INFORMATION****Ecotoxicity**

The environmental impact of this product has not been fully investigated.

<b>Persistence and degradability</b>	No information available.
<b>Bioaccumulation</b>	No information available.
<b>Mobility</b>	Soluble in water.

**Section 13: DISPOSAL CONSIDERATIONS**

<b>Disposal of residues / unused products</b>	Transfer unused product to a suitable container and arrange for collection by a licensed disposal company. Washings or unused product must be sent to a water treatment facility. Do not contaminate ponds, waterways or ditches with chemical or used container.
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**Contaminated Packaging**

Do not reuse this container for any other purpose. Dispose of in accordance with local regulations.

**Section 14: TRANSPORT INFORMATION**

**IMDG/IMO:** NOT REGULATED

**ICAO:** NOT REGULATED

**ICAO/IATA:** NOT REGULATED

**MEX:** NOT REGULATED

**Section 15: REGULATORY INFORMATION**

This safety data sheet has been prepared according to Costa Rican legislation RTCR 481:2015 and RTCR 478:2015.

**Section 16: OTHER INFORMATION****Prepared By:**

FMC Corporation

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**Revision date:**

27-04-2021

**Revision note**

Product code, Chemtrec number

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