

# SAFETY DATA SHEET

Date Issued : 07/15/2019  
SDS No. : Bio-Dex Borate Plus

## Borate Plus

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Borate Plus

**GENERAL USE:** pH Balancer

**DISTRIBUTOR**

Bio-Dex Laboratories, LLC.

4212 W. Innovative Drive

Phoenix, AZ 85086

**Product Stewardship:** 800-617-3477

**Web:** www.bio-dex.com

### 2. HAZARDS IDENTIFICATION

**GHS CLASSIFICATIONS**

**Health:**

Skin Corrosion, Category 3

Eye Corrosion, Category 2A

Reproductive Toxicity, Category 1B

Target Organ Toxicity (Single exposure), Category 3

**GHS LABEL**

The product is classified and labeled according to the Globally Harmonized System (GHS).



Exclamation  
mark



Health hazard

**SIGNAL WORD:** WARNING

**HAZARD STATEMENTS**

H316: Causes mild skin irritation.

H319: Causes serious eye irritation.

H336: May cause drowsiness or dizziness.

H360: May damage fertility or the unborn child (state specific effect if known)(state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).

**PRECAUTIONARY STATEMENT(S)**

**General:**

P261: Avoid breathing dust/fume/gas/mist/vapours/spray.

P312: Call a POISON CENTER/doctor/...if you feel unwell.

P501: Dispose of contents/container to ...

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

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

P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

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

P337+P313: If eye irritation persists: Get medical advice/attention.

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

P201: Obtain special instructions before use.

P403+P235: Store in a well-ventilated place. Keep cool.

P405: Store locked up.

P271: Use only outdoors or in a well-ventilated area.

P281: Use personal protective equipment as required.

# SAFETY DATA SHEET

Date Issued : 07/15/2019  
SDS No. : Bio-Dex Borate Plus

## Borate Plus

P264: Wash ... thoroughly after handling.

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

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt. %	CAS
Trade Secret	30 - 35	Trade Secret
Trade Secret	20 - 25	Trade Secret
Trade Secret	45 - 50	Trade Secret

### 4. FIRST AID MEASURES

**EYES:** Flush eyes with large amounts of running water for at least 15 minutes. Hold eyelids apart to ensure rinsing of the entire surface with water. Get immediate medical attention. If physician is not available, flush for additional 15 minutes and then transport victim to medical care.

**SKIN:** Immediately wash skin with plenty of water for at least 15 minutes. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse.

**INGESTION:** DO NOT INDUCE VOMITING. Give a glass of water or milk to drink. Call a physician or poison control immediately. Never give anything by mouth to an unconscious person.

**INHALATION:** Remove individual to fresh air. Seek medical attention if breathing becomes difficult or if respiratory irritation develops.

### 5. FIRE FIGHTING MEASURES

**EXTINGUISHING MEDIA:** Adapt extinguishing media to the environment.

**FIRE FIGHTING EQUIPMENT:** Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and protective clothing.

### 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** Vacuum or sweep up material and place in a disposal container.

#### ENVIRONMENTAL PRECAUTIONS

**WATER SPILL:** Avoid discharge into drains, water courses or onto the ground. This product is miscible in water. Stop the flow of material, if this is without risk.

### 7. HANDLING AND STORAGE

**GENERAL PROCEDURES:** Use with adequate ventilation. Avoid breathing dusts, mists, and vapors. Do not get in eyes, on skin, or on clothing. Wear eye protection and protective clothing. Wash thoroughly after handling.

**STORAGE TEMPERATURE:** Dry, indoor storage is recommended.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

## SAFETY DATA SHEET

Date Issued : 07/15/2019  
 SDS No. : Bio-Dex Borate Plus

## Borate Plus

## EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)				
EXPOSURE LIMITS				
Chemical Name	Type		ppm	mg/m <sup>3</sup>
Trade Secret	OSHA PEL	TWA	[1]	[1]
Trade Secret	OSHA PEL	TWA	ppm [2]	mg/m <sup>3</sup> [2]
		STEL	ppm	mg/m <sup>3</sup>
	ACGIH TLV	TWA	ppm	mg/m <sup>3</sup>
		STEL	ppm	mg/m <sup>3</sup>
	Supplier OEL	TWA	NL ppm	NL mg/m <sup>3</sup>
		STEL	NL ppm	NL mg/m <sup>3</sup>
Trade Secret	ACGIH TLV	TWA		2
		STEL		6

**Footnotes:**  
 1. OSHA/PEL (Total Dust): 15 mg/m<sup>3</sup>  
 OSHA/PEL (Respirable Dust) 5 mg/m<sup>3</sup>  
 2. This material meets the definition as an Irritant as defined in OSHA's Hazard Communication Standard.

**ENGINEERING CONTROLS:** Use local exhaust ventilation or other engineering control when handling or using this product to keep airborne exposures below the TLV, PEL or other recommended exposure.

## PERSONAL PROTECTIVE EQUIPMENT

**EYES AND FACE:** Wear chemical protective goggles or safety glasses with side shields when handling this product.

**SKIN:** Wear impervious gloves, boots and apron to avoid skin contact. A full impervious suit is recommended if exposure is possible to a large portion of the body.

**RESPIRATORY:** A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

**WORK HYGIENIC PRACTICES:** Handle in accordance with good industrial hygiene and safety practices. Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product. Remove and wash contaminated clothing before re-use.

**OTHER USE PRECAUTIONS:** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Granular

**ODOR:** Odorless

**ODOR THRESHOLD:** Unknown.

**COLOR:** White

**pH:** 7.2

**FLASHPOINT AND METHOD:** Unknown.

**FLAMMABLE LIMITS:** Unknown.

**AUTOIGNITION TEMPERATURE:** Unknown.

**BOILING POINT:** Unknown.

**FREEZING POINT:** Unknown.

**MELTING POINT:** Unknown.

**SOLUBILITY IN WATER:** Complete.

# SAFETY DATA SHEET

Date Issued : 07/15/2019  
SDS No. : Bio-Dex Borate Plus

## Borate Plus

**DENSITY:** Unknown.

**SPECIFIC GRAVITY:** Unknown.

**VISCOSITY:** Unknown.

### 10. STABILITY AND REACTIVITY

**HAZARDOUS POLYMERIZATION:** Will not occur.

**STABILITY:** Stable.

**CONDITIONS TO AVOID:** Excessive heat.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon Dioxide, Carbon Monoxide.

### 11. TOXICOLOGICAL INFORMATION

#### ACUTE TOXICITY

**DERMAL LD<sub>50</sub>:** No data available

**ORAL LD<sub>50</sub>:** No data available

**INHALATION LC<sub>50</sub>:** No data available

### 12. ECOLOGICAL INFORMATION

#### AQUATIC TOXICITY (ACUTE)

**96-HOUR LC<sub>50</sub>:** 8250-9000 mg/L (Lepomis macrochirus)

**48-HOUR EC<sub>50</sub>:** 370-490 mg/L (Daphnia Magna)

### 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Dispose of in accordance with applicable local, state and federal regulations.

### 14. TRANSPORT INFORMATION

#### DOT (DEPARTMENT OF TRANSPORTATION)

**PROPER SHIPPING NAME:** Not Regulated.

### 15. REGULATORY INFORMATION

#### UNITED STATES

##### SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

**311/312 HEALTH HAZARDS:** Not Available

##### CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

**CERCLA REGULATORY:** Not Available

##### TSCA (TOXIC SUBSTANCE CONTROL ACT)

**TSCA REGULATORY:** Not Available

**TSCA STATUS:** Not Available

### 16. OTHER INFORMATION

**Date Prepared:** 07/15/2019

**MANUFACTURER DISCLAIMER:** Although reasonable care has been taken in the preparation of this document, we extend no warranties and make no representations as to the accuracy or completeness of the information contained therein, and assume no responsibility regarding the suitability of this information for the user's intended purposes or for the consequences of its use. Each individual should make a determination as to the suitability of the information for their particular purpose(s).