

SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

GUARANTEED BY:

First Turf & Ornamental Corp.
3400 Monroe Ave., Ste. 290
Rochester, NY 14618
(585) 978-3802

PRODUCT NAME: First-Boron 10%
CHEMICAL NAME: Inorganic/Organic Chemical Fertilizer Mixture
CHEMICAL FAMILY: Micronutrient Liquid Fertilizer

Date of Issue: 4/5/22

2. HAZARDS IDENTIFICATION SUMMARY

Hazard Classification: Serious eye damage/irritation, Category 2B
Reproductive toxicity, Category 2
Specific target organ toxicity, repeated exposure, Category 2

Signal Word: "WARNING"

Hazard Statements:

H320-Causes eye irritation
H361-Suspected of damaging fertility or the unborn child
H373-May cause damage to organs through prolonged or repeated exposure

Precautionary Statements:

(PREVENTION)

P260-Do not breathe mist/vapors/spray
P264-Wash thoroughly after handling
P270-Do not eat, drink or smoke when using this product
P271-Use only outdoors in a well-ventilated area
P273-Avoid release to the environment
P280-Wear protective gloves / eye protection / face protection

(RESPONSE)

P301+P312- If swallowed, call a POISON CENTER or doctor if you feel unwell
P330-Rinse mouth
P302+P352-IF ON SKIN wash with plenty of soap and water
P305+P351+P338-IN IN EYES rinse cautiously with water for 20 minutes, remove contact lenses and continue rinsing
P337+P313-If eye irritation persists, get medical advice / attention
P362+P364-Take off contaminated clothing

Precautionary Statements, Storage:

P403+P233-Store in a well-ventilated place. Keep container tightly closed.
P501-Dispose of container in accordance with local regulations



3. COMPOSITION & INFORMATION ON INGREDIENTS

<u>Chemical Ingredients:</u>	<u>Percent</u>	<u>CAS No.</u>
Water	21.5%	7732-18-5
Boric Acid	57.1%	10043-35-3
Monoethanolamine	21.4%	141-43-5

4. FIRST AID MEASURES

If in eyes: Immediately rinse with water for 5 minutes
If on skin: Wash skin with soap and water
If swallowed: Rinse mouth with water and drink large quantity of water and INDUCE VOMITING.
If inhaled: Remove product or move person to fresh air

5. FIRE FIGHTING MEASURES

FLASH POINT (°F/Test Method): >205°F
FLAMMABLE LIMITS (LFL & UFL): Not applicable
EXTINGUISHING MEDIA: Use foam, CO₂, dry chemical, or water
HAZARDOUS COMBUSTION PRODUCTS: Vapors are non-toxic and non-irritant
SPECIAL FIRE FIGHTING PROCEDURES: This product is non-flammable, and does not support combustion. If heated to decomposition, carbon dioxide / monoxide fumes could be emitted.

6. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:
Clean at once. Do not allow dry material to come in contact with heat.

7. HANDLING AND STORAGE

HANDLING: Avoid eye contact and prolonged skin contact. Respiratory protection is normally not required. Sealed containers may develop pressure, open with caution. Wash hands thoroughly after handling the product.
STORAGE: Store in cool ventilated place away from fire hazards, excessive heat, flammable or easily oxidizable materials.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Not normally required.
RESPIRATORY PROTECTION: Not normally required.
PERSONAL PROTECTIVE EQUIPMENT: Chemical goggles or shielded safety glasses and rubber or neoprene gloves

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Amber liquid with bland odor
SOLUBILITY: Soluble
pH: 7.0-8.0
SPECIFIC GRAVITY (Water = 1): 1.334
VAPOR PRESSURE: Not established
PERCENT VOLATILE (by volume): Not applicable
BULK DENSITY: 11.1 lbs / gallon
BOILING POINT: 250°F
EVAPORATION RATE: Not established
Note: These physical data are typical values based on material tested but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specification items.

10. STABILITY AND REACTIVITY

STABILITY: Stable for at least 2 years under normal conditions.
INCOMPATIBILITY: Strong bases and oxidizers
HAZARDOUS DECOMPOSITION PRODUCTS: None known
HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

Acute Oral LD₅₀ (rat): Not established
Acute Dermal LD₅₀ (rabbit): Not established
Eye Irritation (rabbit): Not established
Inhalation LC₅₀ (rat): Not established
Carcinogenic Potential: None listed in OSHA, NTP, IARC, or ACGIH
Skin Irritation (rabbit): Not established
Skin Sensitization (guinea pig): Not established

12. ECOLOGICAL INFORMATION

Ecotoxicology: Due to the non-toxic classification of this product no negative impact on wildlife is expected.

Biodegradation: Oxidation and microorganisms.

13. DISPOSAL CONSIDERATIONS

Waste disposal: Contaminated absorbents and surplus product should be buried in accordance with any local legislation.

Container disposal: Wash thoroughly with water and soap prior to reuse.

14. TRANSPORT INFORMATION

Land Transport:	Product is not regulated during transport
Air Transport (ICAO/IATA):	Product is not regulated during transport
Marine Transport:	Product is not regulated during transport
DOT Shipping Description:	NOT REGULATED BY USDOT.
U.S. Surface Freight Classification:	FERTILIZING COMPOUNDS (MANUFACTURED FERTILIZERS), NOI; LIQUID (NMFC 68140, SUB 6)

15. REGULATORY INFORMATION

NFPA & HMIS Hazard Ratings:	NFPA		HMIS
	1 Health	0 Least	1 Health
	0 Flammability	1 Slight	0 Flammability
	0 Instability	2 Moderate	0 Reactivity
		3 High	H PPE
		4 Severe	

SARA Hazard Notification/Reporting

SARA Title III Hazard Category: Immediate Y Fire N Sudden Release of Pressure N
Delayed N Reactive N

Reportable Quantity (RQ) under U.S. CERCLA: Not listed

SARA, Title III, Section 313: Not listed

RCRA Waste Code: Not listed

CA Proposition 65: WARNING: This product contains chemicals known to State of California to cause cancer or birth defects or other reproductive harm.

16. OTHER

Disclaimer and Limitation of Liability: This data sheet was developed from information on the constituent materials identified herein and does not relate to the use of such materials in combination with any other material of process. No warranty is expressed or implied with respect to the completeness or ongoing accuracy of the information contained in this data sheet, and Custom Agronomics, Inc. disclaims all liability for reliance on such information. This data sheet is not a guarantee of safety. Users are responsible for ensuring that they have all current information necessary to safely use the product described by this data sheet for their specific purpose.