Coastal AgroBusiness, Inc.

Safety Data Sheet

SDS Number: 10225
SDS Prepared: 03/08/2012
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NutriSol 10% Boron

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: NutriSol 10% Boron

CHEMICAL NAME: Polyborate

CHEMICAL FAMILY: Polyborate

SYNONYMS: Boron

COMMON NAME: Liquid Boron

EPA REGISTRATION NUMBER: Not Regulated

Manufactured by:
Coastal AgroBusiness, Inc.
PO Box 856
Greenville, NC 27835
Phone: 1-800-635-1388

Emergency Telephone Numbers
Chemtrec (24 hours)
1-800-424-9300
Coastal AgroBusiness, Inc. (Weekdays – Eastern Standard Time)
1-800-635-1388

2. HAZARDS IDENTIFICATION SUMMARY

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

GHS-US Classification

Not classified

LABEL ELEMENTS

GHS-US Labeling

PRECAUTIONARY STATEMENTS (GHS-US)

P102 - Keep out of reach of children.
P202 - Do not handle until all safety precautions have been read and understood.
P260 - Do not breathe dust/fumes/gas/mists/vapors/spray.
P264 - Wash hands, forearms, and other exposed areas thoroughly after handling.
P270 - Do not eat, drink, or smoke when using this product.
P271 - Use only outdoors or in a well-ventilated area.
P281 - Use personal protective equipment as required.
P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor.
P302+P350 - IF ON SKIN: Wash with plenty of soap and 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.
P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P312 - Call a POISON CENTER or doctor if you feel unwell.
P330 - Rinse mouth.
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Ingredients:	Percentage by Weight:	CAS No.	PEL/TLV
Polyborate Compound	Proprietary	94095-04-2	NOL/NOL

All ingredients in this product are listed in the T.S.C.A. Inventory. This product contains no listed hazardous ingredients.

4. FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water for at least fifteen minutes, holding eyelids apart to ensure flushing of the entire eye surface. Do not let victim rub eyes. Seek medical attention.

SKIN: Remove contaminated clothing and wash with large amounts of soap and water. If irritation develops, contact a physician.

INGESTION: Call a physician immediately. Only induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person.

INHALATION: Remove person from area of exposure. Give artificial respiration if necessary. If breathing is difficult, give oxygen if a qualified operator is available. Seek immediate medical attention.

5. FIRE FIGHTING MEASURES

FLASH POINT (◦F/Test Method): Not flammable

FLAMMABLE LIMITS (LFL & UFL): Not determined

EXTINGUISHING MEDIA: Foam, CO_2, Dry Chemical, and Water; Class BC, ABC fire extinguisher.

HAZARDOUS COMBUSTION PRODUCTS: None known

SPECIAL FIRE FIGHTING PROCEDURES: Self-contained positive-pressure breathing apparatus and protective clothing should be worn in fighting fires involving chemicals. Clear fire area of unprotected personnel. Cool fire-exposed containers with water. Attack from upwind.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None noted

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILLS: Soak up with absorbent and sweep or shovel into a suitable container for recovery or disposal.

LARGE SPILLS: Control and contain. Dike the spill to minimize contaminated area and facilitate salvage or disposal. Recover material for use, reprocessing, or disposal.

CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

7. HANDLING AND STORAGE

HANDLING: Use with adequate ventilation. Avoid prolonged or repeated contact with skin. Wash thoroughly with soap and water after handling. Wash hands before breaks and at the end of work.

STORAGE: Keep container closed when not in use. Keep from freezing.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

PERMISSIBLE EXPOSURE LIMIT: NOL

SIGNS AND SYMPTOMS OF EXPOSURE: Irritation of the skin and eyes. Contact with eyes is painful and irritating. Prolonged skin and eye contact may cause moderate irritation.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Preexisting eye and skin disorders may be aggravated by exposure to this product. Unnecessary exposure to this product or any chemical should be avoided.

PRIMARY ROUTES OF ENTRY: Dermal

ENGINEERING CONTROLS: Use adequate exhaust ventilation to prevent inhalation of product vapors.

RESPIRATORY PROTECTION: None required with adequate ventilation. Use NIOSH-approved respiratory protection equipment if misty conditions exist.

EYE PROTECTION:	Avoid contact with eyes. Wear full-face shield or chemical splash goggles when handling. Do not wear contact lenses.
SKIN PROTECTION:	Avoid contact with skin. USDA-accepted nitrile or neoprene rubber gloves are recommended. Wear appropriate clothing to prevent repeated or prolonged skin contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

COLOR AND PHYSICAL STATE:	Clear/yellow tinge, slightly viscous liquid
ODOR:	Mild amine odor
SPECIFIC GRAVITY (Water=1):	1.32 - 1.35
VAPOR PRESSURE:	0.1 atm
VAPOR DENSITY (Air = 1):	1.2
% VOLATILITY (V/V):	No data available
BOILING POINT:	>200°F (>93.3°C)
MELTING POINT:	No data available
SOLUBILITY:	Completely miscible in water
pH:	7.5 - 8.5
VISCOSITY:	≈ 1.6 cps @ 25°C

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
CONDITIONS TO AVOID:	Extreme Temperatures (above 250°C)
INCOMPATIBILITY:	Strong organic acids and oxidizing agents.
HAZARDOUS DECOMPOSITION PRODUCTS:	May form carbon dioxide, carbon monoxide, formaldehyde, and nitrogen compounds.
HAZARDOUS POLYMERIZATION:	Will not occur.

11. TOXICOLOGICAL INFORMATION

ACUTE ORAL LD_{50}:	No data available
ACUTE DERMAL LD_{50}:	No data available
ACUTE INHALATION LC_{50}:	May temporarily irritate the nasal passages and upper respiratory tract.
EYE IRRITATION:	Moderate
CARCINOGENIC POTENTIAL:	This product is not carcinogenic, teratogenic, or mutagenic. Danger of methemoglobin formation.
SKIN IRRITATION/SENSITIZATION:	Moderate

12. ECOLOGICAL INFORMATION

No data available

13. DISPOSAL CONSIDERATIONS

Do not reuse container. Place in trash or offer for recycling. Incinerate contaminated solids in accordance with local, state, and federal regulations.

Waste Disposal Methods: Do not contaminate water, food, or feed by storage or disposal. Waste resulting from spills of this material is not subject to CERCLA/RCRA regulations. Therefore, it may be disposed of as an industrial waste in a manner acceptable to good waste management practice and in compliance with applicable local, state, and federal regulations.

14. TRANSPORTATION INFORMATION

IN ACCORDANCE WITH DOT, IMDG, IATA:	Not regulated for transport by USDOT as a hazardous material.
FREIGHT CLASSIFICATION:	Liquid Fertilizer NOIBN NMFC No. 68100 Class 50

15. REGULATORY INFORMATION

NFPA & HMIS Hazard Ratings:

	NFPA		HMIS	
0	Health	0 Reactivity	0 Health	0 Reactivity
0	Flammability		0 Flammability	B PPE

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: None

SARA, Title III, Section 313: Contains no chemical subject to SARA 313

SARA, Title III, Section 302: EHS: None
TPQ: 10,000 lbs.

RCRA Waste Code: Not listed

CA Proposition 65: Not listed

16. OTHER INFORMATION

SDS STATUS: Updated
REASON FOR CHANGE: Updated Technical Information
PREPARED BY: Emma Simpson, Product Development Specialist - Chemist

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