

## Safety Data Sheet

# MaxxGro for CORN

SDS Number: 11197  
SDS Prepared: 04/20/2016  
SDS Version: 2.1  
Version Date: 11/02/2016

## 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** MaxxGro for CORN

**CHEMICAL NAME:** EDTA Chelated Trace Elements plus Penetrants and Translocation Aids, humectants and growth enhancement compounds

**EPA REGISTRATION NUMBER:** Not Regulated

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

**Emergency Telephone Numbers**  
Chemtec (24 hours)  
1800-424-9300  
Coastal AgroBusiness, Inc. (Weekdays – Eastern Standard Time)  
1-800-635-1388

## 2. HAZARDS IDENTIFICATION SUMMARY

**KEEP OUT OF REACH OF CHILDREN – CAUTION-** Avoid contact with eyes, skin, and clothing. May be harmful if swallowed or inhaled. Do not take internally.

This product has a very slight ammonia odor and is a clear reddish brown liquid. Primary route of entry is skin contact.

### GHS Label elements, including precautionary statements/

#### EMERGENCY OVERVIEW

##### Hazard Statements

H303 – May be harmful if swallowed

### GHS Label elements, including precautionary statements/

#### Precautionary Statements - Prevention

P102 - Keep out of reach of children  
P202 - Do not handle until all safety precautions have been read and understood  
P281 - Use personal protective equipment as required  
P264 - Wash face, hands and any exposed skin thoroughly after handling  
P270 - Do not eat, drink or smoke when using this product  
P271 - Use only outdoors or in a well-ventilated area  
P260 - Do not breathe dust/fume/gas/mist/vapors/spray

#### Precautionary Statements - Response

P308 + P311 - If exposed or concerned: Call a POISON CENTER or doctor  
P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing  
P312 - Call a POISON CENTER or doctor if you feel unwell  
P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor  
P330 - Rinse mouth

#### Precautionary Statements - Disposal

P501 - Dispose of contents/ container to an approved waste disposal sites

**Hazards not otherwise classified (HNOC)**

No hazards not otherwise classified were identified.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

<u>Chemical Ingredients:</u>	<u>Percentage by Weight:</u>	<u>CAS No.</u>	<u>PEL/TLV</u>
Manganese	1.50%	7439-96-5	NOL/NOL
Zinc	1.00%	7440-66-6	NOL/NOL
Iron	2.00%	7439-89-6	NOL/NOL
Boron	0.40%	7440-42-8	NOL/NOL
Copper	0.15%	7440-50-8	NOL/NOL

**4. FIRST AID MEASURES**

<b>EYES:</b>	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.
<b>SKIN:</b>	Immediately flush eyes with plenty of water for at least fifteen minutes, holding eyelids apart to ensure flush Remove contaminated clothing and wash with large amounts of soap and water. If irritation develops, contact a physician.
<b>INGESTION:</b>	Give large amounts of water. Never induce vomiting or give anything by mouth to an unconscious person.
<b>INHALATION:</b>	Remove person from area of exposure. Give artificial respiration if necessary. If breathing is difficult, give oxygen if qualified operator is available. Seek immediate medical attention.

**5. FIRE FIGHTING MEASURES**

<b>FLASH POINT (°F/Test Method):</b>	Not Applicable
<b>FLAMMABLE LIMITS (LFL &amp; UFL):</b>	Not Applicable
<b>EXTINGUISHING MEDIA:</b>	Dry chemical, CO <sub>2</sub> , water spray or regular foam.
<b>HAZARDOUS COMBUSTION PRODUCTS:</b>	None known
<b>SPECIAL FIRE FIGHTING PROCEDURES:</b>	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. Avoid breathing vapors or dust.
<b>UNUSUAL FIRE AND EXPLOSION HAZARDS:</b>	Thermal decomposition may release toxic oxides of manganese or sulfur.

**6. ACCIDENTAL RELEASE MEASURES****STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:**

Soak up with absorbent and sweep, shovel, or vacuum into a suitable container for recovery or disposal. Wear protective equipment. Keep unnecessary people away. Isolate hazard area and deny entry to avoid material dispersal. Wash thoroughly after handling. Use with adequate ventilation. Control and contain.

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

**7. HANDLING AND STORAGE**

<b>HANDLING:</b>	Keep container closed when not in use. 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.
<b>STORAGE:</b>	Observe all federal, state, and local regulations when storing this product. Since emptied packages retain product residues, follow label warnings even after package is emptied.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>THRESHOLD LIMIT VALUE:</b>	NOL
<b>PERMISSIBLE EXPOSURE LIMIT:</b>	NOL
<b>SIGNS AND SYMPTOMS OF EXPOSURE:</b>	Irritation of skin and eyes. Contact with eyes is painful and irritating. Overexposure: Prolonged skin contact may cause moderate irritation. May cause severe eye injury. Inhalation may cause chronic manganese poisoning.
<b>MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:</b>	Preexisting eye and skin disorders may be aggravated by exposure to this product. Unnecessary exposure to this product or any chemical should be avoided.
<b>PRIMARY ROUTES OF ENTRY:</b>	Dermal
<b>ENGINEERING CONTROLS:</b>	Provide local exhaust ventilation system to meet published exposure limits.
<b>RESPIRATORY PROTECTION:</b>	The respirator selected must be based on contamination levels found in the work place and specific to the job assignment. Do not exceed the working limits of the respirator. Respirators must also be jointly approved by NIOSH-MSHA.
<b>EYE PROTECTION:</b>	Avoid contact with eyes. Wear full face shield or chemical splash goggles when handling. Do not wear contact lenses.
<b>SKIN PROTECTION:</b>	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

<b>APPEARANCE AND ODOR:</b>	Clear reddish/brown color with a very slight ammonia odor
<b>SPECIFIC GRAVITY: (Water=1):</b>	0.87 at 20/20 C
<b>VAPOR PRESSURE:</b>	Not Applicable
<b>VAPOR DENSITY (Air = 1):</b>	Not Applicable
<b>% VOLATILITY (V/V):</b>	Not Applicable
<b>BOILING POINT:</b>	Not Applicable
<b>MELTING POINT:</b>	Not Applicable
<b>SOLUBILITY:</b>	Appreciable (approximately 100%)
<b>pH:</b>	4.0 – 6.0 A 10% solution
<b>Note:</b>	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

<b>STABILITY:</b>	Stable
<b>CONDITIONS TO AVOID:</b>	None known
<b>INCOMPATIBILITY:</b>	Strong acids
<b>HAZARDOUS DECOMPOSITION PRODUCTS:</b>	Thermal decomposition may release toxic oxides of manganese and sulfur.
<b>HAZARDOUS POLYMERIZATION:</b>	Will not occur

## 11. TOXICOLOGICAL INFORMATION

<b>ACUTE ORAL LD<sub>50</sub>:</b>	(anhydrous) >332mg/kg (tetrahydrate) >534 mg/kg May cause digestive disorders short term and irregular heartbeat and kidney damage long term.
<b>EYE IRRITATION:</b>	May cause redness and irritation. Prolonged exposure may cause severe irritation or conjunctivitis.
<b>INHALATION LC<sub>50</sub>:</b>	> 10,000 ppm (Mn) immediately dangerous to life or health. May cause irritation of the nasal passages, shortness of breath, and asthma. Long term effects may include digestive disorders, loss of voice, headaches, difficulty in walking, joint pain, twitching, hearing loss and visual disturbances.

**CARCINOGENETIC POTENTIAL:** This product is not carcinogenic, teratogenic or mutagenic as determined by OSHA, NTP, or IARC. Danger of manganese poisoning.

**ACUTE DERMAL LD<sub>50</sub>:** Slight Irritation

**SKIN IRRITATION/SENSITIZATION:** Moderate (Prolonged exposure)

## 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 are 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

**D.O.T. Shipping Description:** NOT REGULATED BY DOT BY HIGHWAY.  
Consult appropriate ICAO/IATA and IMDG regulations for shipment requirements in the Air and Maritime shipping modes.

## 15. REGULATORY INFORMATION

### NFPA & HMIS Hazard Ratings:

#### NFPA

1 Health  
0 Flammability  
0 Reactivity

#### HMIS

1 Health  
0 Flammability  
0 Reactivity  
C PPE

### SARA Hazard Notification/Reporting SARA Title III Hazard Category:

Immediate: N                      Fire: N  
Delayed: N                          Reactive: N  
Sudden Release of Pressure: N

### Reportable Quantity (RQ) under U.S. CERCLA:

SARA, Title III, Section 313:

Yes

SARA, Title III, Section 302:

EHS  
TPQ

None  
10,000 lbs

RCRA Waste Code:  
CA Proposition 65:

Not listed  
Not listed

## 16. OTHER INFORMATION

**SDS STATUS:** Updated  
**REASON FOR CHANGE:** Updated GHS Statements  
**PREPARED BY:** Tandy O. Dunn, Director of Health, Safety & Environmental Affairs

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