

## Safety Data Sheet

# Advance

SDS Number: 11311  
 SDS Prepared: 02/20/2004  
 SDS Version: 3.0  
 Version Date: 10/09/2013

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Advance  
**COMMON NAME:** Metal Chelates and Fertilizers  
**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 is a clear, light gold liquid with a slight, mild, mostly odorless smell. Primary route of entry is dermal.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Ingredients:</u>	<u>Percentage by Weight:</u>	<u>CAS No.</u>	<u>TLV (units)</u>
Proprietary blend of Carboxylic Acids, Ammonium Polyphosphates, Potassium Polyphosphates And Metal EDTA Chelates	100.00	Mixture	10MG/M#

### 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. Seek medical attention.  
**SKIN:** Remove contaminated clothing and wash with large amounts of soap and water. If irritation develops, contact a physician.  
**INGESTION:** Give large amounts of water and induce vomiting. Get immediate medical attention. Never induce vomiting or 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 qualified operator is available. Seek immediate medical attention

### 5. FIRE FIGHTING MEASURES

**FLASH POINT (°F/Test Method):** Non-Combustible  
**FLAMMABLE LIMITS (LFL & UFL):** Not applicable  
**EXTINGUISHING MEDIA:** Non-combustible product; use extinguishing media for underlying cause of fire  
**HAZARDOUS COMBUSTION PRODUCTS:** May produce ammonia gas and oxides under fire conditions  
**SPECIAL FIRE FIGHTING PROCEDURES:** Self-contained positive pressure breathing apparatus and protective clothing should be worn in fighting fires involving

**UNUSUAL FIRE AND EXPLOSION HAZARDS:**

chemicals. Clear fire area of unprotected personnel. Cool fire exposed containers with water. Attack from upwind.  
Product generates toxic and irritating fumes under fire conditions.

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

Small releases: Soak up with absorbent and sweep or shovel into a suitable container for recovery or disposal.  
Large releases: 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:** 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.

**STORAGE:** Keep from freezing. Store in cool, dry area. Keep away from strong oxidizers and acidic materials.

**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.
<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>	Use adequate exhaust ventilation to prevent inhalation of product vapors.
<b>RESPIRATORY PROTECTION:</b>	None required with adequate ventilation. Use NIOSH-approved respiratory protection equipment if misty conditions exist.
<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 COLOR:</b>	Clear, light gold liquid
<b>SPECIFIC GRAVITY: (Water=1):</b>	1.320 GMS
<b>VAPOR PRESSURE:</b>	Not established
<b>PERCENT VOLATILE (by volume):</b>	Not applicable
<b>BULK DENSITY:</b>	1.2 g/cc
<b>BOILING POINT:</b>	>100 degrees C
<b>EVAPORATION RATE:</b>	Not established
<b>SOLUBILITY:</b>	99%
<b>pH:</b>	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

<b>STABILITY:</b>	Stable
<b>CONDITIONS TO AVOID:</b>	None currently known
<b>INCOMPATIBILITY:</b>	Product may react vigorously with acidic materials
<b>HAZARDOUS DECOMPOSITION PRODUCTS:</b>	May produce ammonia gas and oxides of carbon under fire conditions
<b>HAZARDOUS POLYMERIZATION:</b>	Will not occur

## 11. TOXICOLOGICAL INFORMATION

<b>ACUTE ORAL LD<sub>50</sub>:</b>	Vomiting and Abdominal Cramps
<b>EYE IRRITATION:</b>	Severe
<b>INHALATION LC<sub>50</sub>:</b>	May irritate nose, throat, and lungs
<b>CARCINOGENETIC POTENTIAL:</b>	None listed in OSHA, NTP, IARC or ACGIH
<b>ACUTE DERMAL LD<sub>50</sub>:</b>	Slight irritation
<b>SKIN IRRITATION/SENSITIZATION:</b>	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:** Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all Federal, State, and Local environmental 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

<b>NFPA &amp; HMIS Hazard Ratings:</b>	<b>NFPA</b> 2 Health 0 Flammability 0 Reactivity	<b>HMIS</b> 2 Health 0 Flammability 0 Reactivity C PPE
<b>SARA Hazard Notification/Reporting</b>		
<b>SARA Title III Hazard Category:</b>	Immediate: <u>Y</u> Delayed: <u>N</u> Sudden Release of Pressure: <u>N</u> Not listed	Fire: <u>N</u> Reactive: <u>N</u>
<b>Reportable Quantity (RQ) under U.S. CERCLA:</b>		
<b>SARA, Title III, Section 313:</b>	Not listed	
<b>SARA, Title III, Section 302:</b>		
EHS	None	
TPQ	10,000 lbs	
<b>RCRA Waste Code:</b>	Not listed	
<b>CA Proposition 65:</b>	Not listed	

## 16. OTHER INFORMATION

**SDS STATUS:** Updated  
**REASON FOR CHANGE:** To meet new regulatory requirements  
**PREPARED BY:** Tandy O. Dunn, Director of Health, Safety & Environmental Affairs

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 or process. No warranty is expressed or implied with respect to the completeness or ongoing accuracy of the information contained in this data sheet, and Coastal AgroBusiness, 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.

