Coastal AgroBusiness, Inc.

Safety Data Sheet

SDS Number: 11317
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NutriSol 10% Zinc

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: NutriSol 10% Zinc

CHEMICAL NAME: Zinc Citrate

COMMON NAME: Zinc Citrate, Liquid Zinc

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

Acute Toxicity - Oral 5	H303
Eye Irritant 2B	H320

LABEL ELEMENTS

GHS-US Labeling

SIGNAL WORD (GHS-US)

WARNING

HAZARD STATEMENTS (GHS-US)

H303 - May be harmful if swallowed.
H320 - Causes eye irritation.

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.
P273 - Avoid release to the environment.
P280 - Wear protective gloves, protective clothing, and eye protection.
P301+P310+P330 - IF SWALLOWED: Immediately call a POISON CENTER or doctor. Rinse mouth.
P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P311 - If exposed or concerned: Call a POISON CENTER or doctor.
P312 - Call a POISON CENTER or doctor if you feel unwell.
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
Zinc Sulfate	Proprietary	7446-19-7	NOL/NOL

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): >200°F (93.3°C)

FLAMMABLE LIMITS (LFL & UFL): Not determined

EXTINGUISHING MEDIA: Foam, dry chemical, CO_2, water, and Class BC, ABC fire extinguisher.

HAZARDOUS COMBUSTION PRODUCTS: Oxides of carbon and sulfur.

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 known

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILLS: Soak up with absorbent materials 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.

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 from freezing. Keep container closed when not in use.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

PERMISSIBLE EXPOSURE LIMIT: NOL

SIGNS AND SYMPTOMS OF EXPOSURE: Irritation of the skin, eyes, or nasal passages. Contact with eyes is painful and irritating. Overexposure: Prolonged skin contact may cause moderate irritation. May cause severe eye injury.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Preexisting eye, skin, and respiratory 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 safety 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, light yellow/brown liquid
ODOR:	Slightly sweet odor
SPECIFIC GRAVITY (Water=1):	1.27 - 1.30
VAPOR PRESSURE:	0.2 mm Hg
VAPOR DENSITY (Air = 1):	1
% VOLATILITY (V/V):	35.0%
BOILING POINT:	>200°F (93.3°C)
MELTING POINT:	No data available
SOLUBILITY:	Completely Miscible in water
pH:	2.0 - 3.0
VISCOSITY:	≈ 1.2 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}:	May be harmful if swallowed.
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 as determined by OSHA, NTP, or IARC.
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: Dispose of in accordance with local, state, and federal regulations. Incineration in an authorized and permitted thermal treatment facility or chemical or biological treatment in authorized and permitted treatment facilities is recommended. Material collected with absorbent may be disposed of in a permitted landfill in accordance with federal, state, and local regulations. Triple rinse container and dispose of in accordance with all local, state, and federal regulations or offer for recycling.

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	
1 Health	1 Reactivity	1 Health	1 Reactivity
0 Flammability		0 Flammability	C 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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