Coastal AgroBusiness, Inc.

Safety Data Sheet

SDS Number: 11314
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SDS Version: 2.1
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NutriSol 10% Molybdenum

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: NutriSol 10% Molybdenum

CHEMICAL FAMILY: Sodium Molybdate

COMMON NAME: Liquid Molybdenum

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

HAZARD STATEMENTS (GHS-US)

OSHA HCS Status: This product is not a hazardous chemical, as defined by OSHA 29 CFR 1910.1200. Based on information available at the time of the development of this Safety Data Sheet, the product does not meet the criteria necessary to be classified as an OSHA or GHS hazardous chemical. No tests on the product were performed to make this determination. This product could have unforeseen hazards and should be handled with care. Check with your Safety Manager for suggestions on precautions and procedures that you should follow when working with this product.

PRECAUTIONARY STATEMENTS (GHS-US)

P102 - Keep out of reach of children.
P203 - Obtain, read, and follow all safety instructions before use.
P210 - Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. – No smoking.
P264 - Wash hands, forearms, and other exposed areas thoroughly after handling.
P270 - Do not eat, drink, or smoke when using this product.
P280 - Wear protective gloves, protective clothing, and eye protection.
P362+P364 - Take off contaminated clothing and wash it before reuse.
P402+P405 - Store in a dry place. Store locked up.
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
Sodium Molybdate	Proprietary	7631-95-0	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 and support breathing as needed. Seek immediate medical attention if irritation persists.

5. FIRE FIGHTING MEASURES

FLASH POINT (°F/Test Method):	Not applicable
FLAMMABLE LIMITS (LFL & UFL):	Not determined
EXTINGUISHING MEDIA:	Foam, dry chemical, CO_2, water, Class BC, ABC fire extinguisher.
HAZARDOUS COMBUSTION PRODUCTS:	Toxic gases may be formed in a fire situation. Carbon monoxide and other asphyxiants may form as well.
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:	Closed containers may explode from vapor expansion in high heat. Contain runoff by diking to prevent contamination of water supplies.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILLS: Clean-up personnel should protect against mist inhalation and skin contact. Avoid generating mists. Spills should be cleaned up immediately to prevent spreading.

LARGE SPILLS: Clean-up personnel should protect against mist inhalation and skin contact. Avoid generating mists. 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 away from children, feed, food products, and heat sources. Immediately clean up spills occurring during handling or storage.

STORAGE: Store in a cool, dry area in the original container. Protect from freezing, and keep containers closed when not in use. Do not store in aluminum or metal vessels.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

PERMISSIBLE EXPOSURE LIMIT:	NOL
SIGNS AND SYMPTOMS OF EXPOSURE:	Irritation of the skin and eyes. Contact with eyes may be painful and irritating. Prolonged skin contact may cause moderate irritation
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 liquid
ODOR:	No offensive odor
SPECIFIC GRAVITY (Water=1):	1.18 - 1.22
VAPOR PRESSURE:	Not Determined
VAPOR DENSITY (Air = 1):	Not Determined
% VOLATILITY (V/V):	Not Determined
BOILING POINT:	212°F (100°C)
FREEZING POINT:	32°F (0°C)
MELTING POINT:	Not Determined
SOLUBILITY:	Miscible
pH:	8.0 - 9.0
VISCOSITY 77°F (25°C):	≈ 1.1 cps

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 (>250°C).
INCOMPATIBILITY:	Strong bases and acids
HAZARDOUS DECOMPOSITION PRODUCTS:	Toxic gases may be formed in a fire situation, carbon monoxide, and other asphyxiants may form as well.
HAZARDOUS POLYMERIZATION:	Will not occur.

11. TOXICOLOGICAL INFORMATION

ACUTE ORAL LD_{50}:	Between 2733 and 6556 mg/kg body weight (male and female rats) (Sodium molybdate dihydrate)
ACUTE DERMAL LD_{50}:	No data available.
ACUTE INHALATION LC_{50}:	No data available.
EYE IRRITATION:	May cause irritation
CARCINOGENIC POTENTIAL:	This product is not carcinogenic, teratogenic, or mutagenic as determined by OSHA, NTP, or IARC.
SKIN IRRITATION/SENSITIZATION:	May cause irritation

12. ECOLOGICAL INFORMATION

SOIL ABSORPTION/MOBILITY: Mobile in the soil profile

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
1 Health	0 Flammability
	0 Reactivity

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: This product may contain chemicals known to the State of California to cause cancer and birth defects or reproductive harm.

16. OTHER INFORMATION

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

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NutriSol
10% Molybdenum