Coastal AgroBusiness, Inc.

Safety Data Sheet

SDS Number: 29150
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Quantum SDS 18-0-8-5S

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Quantum SDS 18-0-8-5S

CHEMICAL NAME: Potassium thiosulfate (KTS), Urea, Urea triazone

CHEMICAL FAMILY: Aqueous Organic Salt Solution

EPA REGISTRATION NUMBER: Not applicable

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
Not Classified
SIGNAL WORD (GHS-US)
Not Classified
HAZARD STATEMENTS (GHS-US)
Not Classified
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/mist/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.
P330 - Rinse mouth.
P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
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.	TLV (units)
Potassium Thiosulfate	*	10294-66-3	Not established
Water	*	7732-18-15	Not established
Urea	*	57-13-6	Not established

*Quantum SDS 18-0-8-5S is a proprietary blend of Urea, Triazone Urea, and Potassium Thiosulfate
Note: This material is not hazardous under Labor Department regulations.

4. FIRST AID MEASURES

EYES: Immediately flush eyes with large quantities of water for at least fifteen minutes, holding eyelids apart to ensure flushing of the entire eye surface and lids. Obtain immediate medical attention.

SKIN: Immediately flush with large quantities of water. Remove contaminated clothing under a safety shower. Obtain immediate medical attention.

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 victim from contaminated atmosphere. If breathing is labored, administer oxygen. If breathing has ceased, clear airway and start mouth-to-mouth resuscitation. If heart has stopped beating, external heart massage should be applied. Obtain immediate medical attention.

5. FIRE FIGHTING MEASURES

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

FLAMMABLE LIMITS (LFL & UFL): Not applicable

EXTINGUISHING MEDIA: Considered non-combustible, use a medium appropriate to the surrounding fire. Dry chemical, CO_2, foam, water spray, or fog.

HAZARDOUS COMBUSTION PRODUCTS: None

SPECIAL FIRE FIGHTING PROCEDURES: Keep containers/storage vessels in the fire area cooled with water spray. Remain upwind. Avoid breathing smoke. Wear self-contained breathing apparatus and full protective gear.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILLS: Confine and absorb small releases with sand, earth, or other inert absorbent material. Use water spray to dilute to weak fertilizer solution and transfer to suitable containers for possible land application according to label use or for disposal.

LARGE SPILLS: Confine the area to qualified personnel. Shut off the release if safe to do so. Dike the spill area to prevent runoff into sewers, drains, or surface waterways (potential aquatic toxicity). Recover as much material as possible. Treat the remaining material as a small release. Check local, state, and federal regulations for proper disposal.

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

7. HANDLING AND STORAGE

HANDLING: Avoid contact with eyes. Use only in a well-ventilated area. Wash thoroughly after handling. Avoid prolonged or repeated breathing of vapors. Avoid prolonged or repeated contact with skin.

STORAGE: Store in well-ventilated areas. Do not store combustibles in the area of storage vessels. Keep away from sources of heat or flame. Store totes and smaller containers out of direct sunlight at moderate temperatures (less than 105°F/40.5°C but greater than 0°F/-17.8°C).

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

THRESHOLD LIMIT VALUE: No ACGIH TVL

PERMISSIBLE EXPOSURE LIMIT: No OSHA PEL

SIGNS AND SYMPTOMS OF EXPOSURE:	Ingestion of product may irritate the gastrointestinal tract, including nausea, vomiting, and diarrhea. Material is considered to have low toxicity to humans. Prolonged or repeated contact with product may cause skin irritation. Contact with eyes may cause irritation.
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:	None known.
PRIMARY ROUTES OF ENTRY:	Dermal and Inhalation
ENGINEERING CONTROLS:	Use adequate exhaust ventilation to prevent inhalation of product vapors.
RESPIRATORY PROTECTION:	None normally required. If conditions exist where mist may be generated, a NIOSH/MSHA-approved mist respirator should be worn.
EYE PROTECTION:	Chemical goggles and a full-face shield. DO NOT wear contact lenses.
SKIN PROTECTION:	Neoprene rubber gloves and an apron should be worn to prevent repeated or prolonged contact with the liquid. Wash contaminated clothing prior to reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

COLOR AND PHYSICAL STATE:	Clear, light blue liquid
ODOR:	Slight odor
SPECIFIC GRAVITY (Water=1):	1.34
VAPOR PRESSURE:	Not Determined
VAPOR DENSITY (Air = 1):	Not Determined
% VOLATILITY (V/V):	Not Determined
BOILING POINT:	Not Determined
MELTING POINT:	Not Determined
SOLUBILITY:	Complete
pH:	9.0 - 10.0

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:	Avoid excessive heat.
INCOMPATIBILITY:	Strong oxidizers such as nitrates, nitrites, or chlorates can cause explosive mixtures if heated to dryness. Avoid contact with acids or acidic materials. This product may not be compatible with copper, zinc, or their alloys (bronze, brass, galvanized materials). These materials of construction should not be used in piping, handling systems, or storage containers for this product.
HAZARDOUS DECOMPOSITION PRODUCTS:	None
HAZARDOUS POLYMERIZATION:	Will not occur.

11. TOXICOLOGICAL INFORMATION

ACUTE ORAL LD_{50}:	Not classified
ACUTE DERMAL LD_{50}:	Not classified
INHALATION LC_{50}:	Not classified
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

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.

14. TRANSPORTATION INFORMATION

D.O.T. Shipping Description: NOT REGULATED BY DOT BY HIGHWAY.
U.S. Surface Freight Classification: FERTILIZING COMPOUNDS (MANUFACTURED FERTILIZERS), NOI; LIQUID (NMFC 68140, SUB 6; CLASS 70)

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		HMIS	
	1 Health	0 Reactivity	1 Health	0 Reactivity
	0 Flammability		0 Flammability	H 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: Not listed
SARA, Title III, Section 313: Not listed
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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