Worcester County Administration Office
1 West Market Street, Room 1103
Snow Hill, MD 21863
Ph. 410-632-1194 Fax 410-632-3131
Email: purchasing@worcestermd.gov

Addendum # 1 Supply & Delivery of Water & Wastewater Treatment Chemicals

Date of Addendum: December 22, 2025

NOTICE TO ALL BIDDERS AND PLANHOLDERS
The Bid Documents for the above-referenced Project are modified as set forth in this Addendum. The original Bid Documents and any previously issued addenda remain in full force and effect, except as modified by this Addendum, which is hereby made part of the Bid Documents. Vendors will take this Addendum into consideration when preparing and submitting a bid and shall acknowledge receipt of this Addendum in the space provided in the Bid Documents.

BID SUBMITTAL DEADLINE
The bid submittal time has not been changed.

1.0 – ATTACHMENTS

Item	Description
1	Glycerin MSDS sheet

2.0 – CLARIFICATIONS

The following clarifications are provided as a matter of information to clarify issues raised about the Bid Documents.

Item	Description

3.0 – QUESTIONS AND ANSWERS

The following questions and answers are provided as a matter of information to clarify issues raised about the Bid Documents.

Item	Questions and Answers
1	Q: What is the current price for Sodium Bisulfite, 40% in 330 gal tote or can you provide the previous bid tabulation? A: Current pricing information is not provided during the bidding phase. There are no bid tabulations.
2	Does the Mystic Harbour Water Plant have the equipment/personnel to unload SBS totes or is a lift gate needed? A: A lift gate is needed

3	Are you able to provide a spec sheet for the glycerin? A: See attached
4	What is the current price for glycerin? A: Current pricing information is not provided during the bidding phase.
5	Who is the current glycerin supplier? A: Coburn Chemicals
6	Are the annual volumes for glycerin correct at 120,000 gallons? Please confirm this is gallons A: Confirmed, the annual average glycerin use at the Ocean Pines Wastewater Treatment Plant is 120,000 gallons
7	What is the tank size for glycerin? A: 6,600 gallons
8	Are you able to share the previous bid results? A: There are no previous bid results.
9	Citric Acid – Current price and average delivery size (drums) A: Current pricing information is not provided during the bidding phase. Citric Acid is delivered in 55 gallon drums
10	Potassium Permanganate- Current price and average delivery size (pails) A: Current pricing information is not provided during the bidding phase. Potassium Permanganate is delivered in 5 gallon buckets.
11	After reviewing the "Approved Equals" section of the solicitation, clarification is needed regarding whether substitutions are allowed. The language appears to indicate that an approved equal may not be substituted unless specifically evaluated and accepted by the County. Could you please confirm whether alternative products will be considered, and if so, what documentation is required for submission? A: Equals of the same concentration and form will be considered for all chemicals listed except the following: Cairox Potassium Permanganate, Praestol K260 FL (Polymer), Praestol K275 FLX (Polymer), Praestol 611BC, Micro C 2000, and Inter-pac. Alternates will be evaluated based on spec sheets, MSDS sheets, and discussions with existing equipment manufacturers to determine if the alternate can safely and effectively interact with the current treatment processes.

END OF ADDENDUM

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SAFETY DATA SHEET- Crude Glycerin

SECTION 1 – PRODUCT IDENTIFICATION

Product Name: **Crude Glycerin**

Synonyms: Mixture of Demethylated Glycerin, Sodium Chloride and Water

CAS Number(s): 56-81-5 (glycerin), 7647-14-5 (sodium chloride)

Recommended Use: Animal feeds, boiler fuel

Producer: U.S. Biofuels, Inc.
555 West Hermitage Road
Rome, GA 30161

Telephone Number: (706) 291-4829

SECTION 2 – HAZARD IDENTIFICATION

GHS Classification: Health
Skin Irritation, Category 2
Eye Irritant, Category 2
Acute Toxicity, Category 4

Labeling: Symbol: Exclamation Mark
Signal Word: Warning

Hazard Statement: Exposure may cause skin irritation. Produces eye irritation, vapors may cause eye irritation. May cause painful sensitization to light. May cause respiratory tract irritation. May cause irritation of the digestive tract. May cause kidney damage and systemic toxicity with acidosis. May cause central nervous system depression, characterized by excitement, followed by headache, dizziness, drowsiness and nausea.

Precautionary Statement: Keep in tightly closed container away from heat, sparks and flame. Keep away from sources of ignition. Store in a cool, dry, well-ventilated area away from incompatible substances. Wear protective gloves and eye/face protection.

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS Number(s)	Weight%	OSHA PEL	ACGIH TLV
Glycerin	56-81-5	50-80%	15mg/m^3(mist)	10mg/m^3(mist)
Sodium Chloride	7647-14-5	<3%	N/A	N/A
Water	7732-18-5	10-20%	Not Established	Not Established

SECTION 4 – FIRST-AID MEASURES

Eyes: Flush immediately with large amounts of water for 15 (fifteen) minutes. Seek immediate medical attention.

Skin: Immediately remove contaminated clothing. Wash skin with soap and/or mild detergent for at least 15 (fifteen) minutes. Seek medical attention if irritation develops or persists.

Inhalation: Remove to fresh air. If not breathing, give artificial respiration, if breathing is difficult, give oxygen. Seek immediate medical attention.

Ingestion: Never give anything by mouth to an unconscious person. Seek immediate medical attention.

SECTION 5 – FIREFIGHTING MEASURES

Suitable Extinguishing Media: For small fires, use dry chemical, carbon dioxide, water spray or alcohol-resistant foam. Use water spray to cool fire-exposed containers. Water may be ineffective. For large fires, use dry chemical, carbon dioxide, alcohol-resistant foam or water spray. Cool containers with flooding quantities of water until well after fire is out.

Specific Hazards: Vapors may form an explosive mixture with air. Vapors can travel to a source of ignition and flash back. Will burn if involved in a fire. Use water spray to keep fire-exposed containers cool. Vapors may be heavier than air. They can spread along the ground and collect in low or confined areas. May be ignited by heat, sparks, and flame. Containers may explode when heated.

Special Firefighting Procedures: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions/Equipment: Eyes: Wear appropriate protective eyeglasses or chemical safety goggles. Skin: Wear appropriate protective gloves to prevent skin exposure. Clothing: Wear appropriate protective clothing to prevent skin exposure. Respirators: Follow the OSHA respirator regulations found in 29CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN149 approved respirator when necessary.

Environmental Precautions: Dispose of waste in compliance with federal, state or local laws or regulations that may apply.

Methods and Materials for Containment and Cleanup: Absorb spills with inert material, (e.g. dry sand or earth) then place into a chemical waste container. A vapor suppressing foam may be used to reduce vapors. Water spray may reduce vapor but may not prevent ignition in closed spaces. Provide adequate ventilation.

SECTION 7 – HANDLING AND STORAGE

Precautions for Safe Handling:

Wash thoroughly after handling. Use in well-ventilated area. Ground and bond containers when transferring material. Empty containers retain product residue (liquid and/or vapor) and can be dangerous. Avoid contact with heat, sparks, flame and incompatible substances. Do not ingest or inhale vapor. Do not pressurize, cut, weld, braze, solder, drill, grind or expose empty containers to heat, sparks or open flames.

Conditions for Safe Storage/ Incompatibilities:

Keep containers tightly closed. Store in a cool, dry well-ventilated area away from incompatible substances. Incompatible with acids (mineral, non-oxidizing, oxidizing – e.g. nitric acid, muratic acid, phosphoric acid), azo, diazo and hydrazines, isocyanates, alkali and alkaline metals (e.g. potassium and sodium), nitrides, peroxides and hydroperoxides, epoxides, reducing agents (e.g. lithium hydride), oxidizing agents (e.g. hydrogen peroxide), and water reactive substances (e.g. calcium carbide)

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits:

Component	CAS Number(s)	OSHA PEL	ACGIH TLV
Glycerin	56-81-5	15mg/m^3(mist)	10mg/m^3(mist)
Methanol	67-56-1	TWA 200 ppm	TWA 200 ppm

Ventilation:

A system of local and/or general exhaust to keep airborne concentrations below the permissible exposure limits.

Respiratory Protection:

Follow the OSHA respirator regulations found in 29CFR 1910.134 or the European Standard EN 149.

Protective Gloves:

PVC coated gloves.

Eye Protection:

Use full-face mask, safety goggles or glasses with side shields as described by OSHA's eye and face protection regulations in 29CFR 1910.133 or European Standard EN 166.

Skin Protection:

Use chemically resistant outer garments

Other Protective Clothing or Equipment:

Safety showers and Eyeglass Stations should be available in work areas.

Work and Hygienic Practices:

Employees must practice good personal hygiene, including washing exposed areas of skin daily and laundering contaminated clothing before re-use.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Tea colored liquid / musty odor
pH value: 4.5-5.5
Freezing Point: -20 °C

Boiling Point:	121°C
Flash Point:	174 °C
Evaporation Rate (butyl acetate = 1)	<1
Flammability (solid, gas):	N/A
Percent Volatile by Volume:	0
Vapor Pressure (mmHg @ 50°C):	0.0025
Vapor Density (Air – 1@78°C):	3.17
Specific Gravity (water = 1 @ 60°F):	1.23
Solubility:	Miscible in water
Partition Coefficient:	Not available
Auto-Ignition Temperature:	370 °C

SECTION 10 – STABILITY AND REACTIVITY

Chemical Stability:	Stable under normal temperatures and pressures.
Conditions to Avoid:	Keep away from heat, flames, ignition sources and incompatibles.
Incompatibility:	Avoid strong oxidizing agents. Incompatible with acids (mineral, non-oxidizing, oxidizing – e.g. nitric acid, muratic acid, phosphoric acid), azo, diazo and hydrazines, isocyanates, alkali and alkaline metals (e.g. potassium and sodium), nitrides, peroxides and hydroperoxides, epoxides, reducing agents (e.g. lithium hydride), oxidizing agents (e.g. hydrogen peroxide), and water reactive substances (e.g. calcium carbide)
Hazardous Decomposition (Byproducts):	Carbon dioxide (CO_2) and Carbon monoxide (CO) along with Irritating toxic fumes and gases

SECTION 11 – TOXICOLOGICAL INFORMATION

Inhalation Toxicity:	No information available on denatured fuel ethanol per se
Dermal Toxicity:	No information available on denatured fuel ethanol per se
Eye Irritation:	No information available on denatured fuel ethanol per se
Oral Toxicity:	LD50: 0.5 to 4 g/kg

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity	96 hours LC50: 50 mg/l (Rainbow Trout), >5000 mg/l (Goldfish) for Glycerin
Environmental Fate	This product does not concentrate or accumulate in the food chain. If released to soil and water, this product is expected to biodegrade under both aerobic and anaerobic conditions.

SECTION 13 – DISPOSAL CONSIDERATIONS

Waste may be disposed of by a licensed waste disposal company. Contaminated absorbent material may be disposed in an approved landfill.

SECTION 14 – TRANSPORT INFORMATION

This material is not regulated as a hazardous material or dangerous goods for transportation.

SECTION 15 – REGULATORY INFORMATION

OSHA STATUS: This product is not hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200. However, thermal processing and decomposition fumes from this product may be hazardous.

TSCA STATUS: This product is listed on TSCA.

CERCLA: Not Reportable.

SARA TITLE III:
Section 312 Extremely Hazardous Substances: None
Section 311/312 Hazard Categories: Non-hazardous under Section 311/312
Section 313 Toxic Chemicals: None

RCRA STATUS: If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous substance, (40 CFR 261.20-24)

CALIFORNIA PROPOSITION 65: The following statement is made in order to comply with the California Safe Drinking Water and Toxic Enforcement Act of 1986. This product contains no chemicals known to the state of California to cause cancer.

SECTION 16 – OTHER INFORMATION

This information relates only to the specific material designated and may not be valid for such material use in combination with any other materials or in any other process. Such information is to the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as the suitableness and completeness of such information for his own particular use.

Date of Preparation: 12/2/2013