

**SECTION 1: IDENTIFICATION****PRODUCT IDENTIFIER:****Roots****OTHER MEANS OF IDENTIFICATION:
RECOMMENDED USES:
RECOMMENDED RESTRICTIONS:**

Tissue Culture Media
Prepared mixture for lab culture media
For laboratory use

SUPPLIER IDENTIFIER:

Athena Ag, Inc.,
1300 Marsh Landing Parkway, #106
Jacksonville Beach, FL, 32250
Phone: 1(818)333-1818
Email : compliance@athenaag.com

EMERGENCY PHONE NUMBER:

INFOTRAC
Within Continental US & Canada: 1 (800) 535-5053
International: + 001 (352) 323-3500

SECTION 2: HAZARD IDENTIFICATION**GHS CLASSIFICATION:**

Not classified as hazardous.

HAZARD STATEMENTS:

Not classified as hazardous.

**PICTOGRAM:/
SIGNAL WORD:**

See Section 15

**PRECAUTIONARY STATEMENTS
GENERAL:**

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children. P103: Read label before use.

PREVENTION:

P264: Wash thoroughly
P280: Wear eye protection, gloves

RESPONSE:

P305 + P351 + P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P303+P361+P353: IF ON SKIN (or hair). Rinse skin With water/shower
P321: For specific treatments see FIRST AID section on SDS or label

**STORAGE:
DISPOSAL:**

P410: Protect from sunlight.
P501: Dispose of contents/ container in accordance with local/ regional/ national/ international regulations.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

INGREDIENT	CAS NUMBER	PROPORTION IN FINAL PRODUCT
Agar-agar	9002-18-0	40 - 50%
Sucrose	57-50-1	40 - 50%

SECTION 4: FIRST AID MEASURES**FOLLOWING INHALATION:**

Move person to fresh air. If person is not breathing, call 911 or an ambulance, and then give artificial respiration. Call poison control center or doctor for treatment advice center or doctor for treatment advice.

FOLLOWING SKIN CONTACT:

Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

FOLLOWING EYE CONTACT:

Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, and then continue rinsing. Call a poison control center or doctor for treatment advice and then continue rinsing. Call a poison control center or doctor for treatment advice.

FOLLOWING INGESTION:

Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to by a poison control center or doctor. Do not give anything to an unconscious person induce vomiting unless told to by a poison control center or doctor. Do not give anything to an unconscious person.

GENERAL INFORMATION:

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Treat symptomatically based on judgment of doctor and individual reactions of patient.

**SECTION 5: FIRE FIGHTING MEASURES****HAZARDOUS THERMAL DECOMPOSITION:**

THIS PRODUCT IS NOT FLAMMABLE.

SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS:

No special measures required.

SECTION 6: ACCIDENTAL RELEASE MEASURES**PROTECTIVE MEASURES:**

Wearing personal protective clothing, goggles, and gloves. Absorb the liquid and wash area with soap and water.

**ADVICE ON GENERAL
OCCUPATIONAL HYGIENE:**

N/A

**CONDITIONS FOR SAFE STORAGE,
INCLUDING ANY
INCOMPATIBILITIES:**

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

SECTION 7: HANDLING AND STORAGE**PRECAUTIONS FOR
SAFE HANDLING:**

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. Do not ingest. Avoid contact with eyes skin and clothing. Avoid breathing vapor or mist. Remove contaminated clothing and protective equipment before entering eating areas. Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist.

**CONDITIONS FOR SAFE STORAGE,
INCLUDING ANY
INCOMPATIBILITIES:**

KEEP OUT OF REACH OF CHILDREN.

Store in a dry area, above freezing and below 95°F, and out of direct sunlight. Keep in the original container or an approved alternative made from a compatible material. Keep tightly closed when not in use. Do not reuse container.

MATERIALS TO AVOID:

N/A

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**ENGINEERING CONTROLS:**

Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

PERSONAL PROTECTIVE EQUIPMENT (PPE)**EYE/FACE PROTECTION:**

Use equipment for eye protection tested and approved under appropriate government standards.

SKIN PROTECTION:

Chemical-resistant, impervious gloves
Long-sleeved shirt, socks and shoes.

RESPIRATORY PROTECTION:

Should not be needed under normal conditions.
Use with adequate ventilation. NIOSH approved respirator when in contact with dust, mists or vapor.

WORK PRACTICES:

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before Reusing.

COMPONENT ACHIH, NIOSH, OSHA:

Not established.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE	Red powder
PHYSICAL STATE:	Solid
ODOR:	None
ODOR THRESHOLD:	Not determined
pH:	Not determined
MELTING/FREEZING POINT:	N/A
INITIAL BOIL POINT/RANGE:	100°C
FLASH POINT:	N/A
EVAPORATION RATE:	Not available
FLAMMABILITY (SOLID, GAS):	Not available
UPPER/LOWER FLAMMABILITY OR EXPOSURE LIMITS:	Not available
VAPOR PRESSURE:	Same as water
VAPOR DENSITY (AIR=1):	Not available
SOLUBILITY:	No available
PARTITION COEFFICIENT, N-OCTANOL/ WATER (LOG/KOW):	Not available
AUTO-IGNITION TEMPERATURE:	N/A
DECOMPOSITION TEMPERATURE:	Not available
VISCOSITY:	Not available

SECTION 10: STABILITY AND REACTIVITY**REACTIVITY & CHEMICAL STABILITY:**

Stable

CONDITIONS TO AVOID:

Open flames or other high temperature sources. Which might induce thermal decomposition

HAZARDOUS DECOMPOSITION PRODUCTS:

Not expected.

SECTION 11: TOXICOLOGICAL INFORMATION

ACUTE TOXICOLOGICAL DATA:	No components are considered toxic.
EYE IRRITANT:	Slight irritant
INHALATION:	No data available
INGESTION:	No data available
SKIN CORROSION/IRRITATION:	Non Irritating

SAFETY DATA SHEET



LIKELY ROUTES OF EXPOSURE:

Dermal, ingestion inhalation

SYMPTOMS AND EFFECTS:

Eye contact:
Skin contact:
Ingestion:
Inhalation:

ACUTE EFFECTS:

Eye irritation
May irritate skin
May be harmful if swallowed
May cause respiratory tract irritation

SECTION 12: ECOLOGICAL INFORMATION

ECO TOXICITY:

Non-toxic

PERSISTENCE AND DEGRADABILITY:

N/A

MOBILITY IN SOIL:

N/A

ENVIRONMENTAL FATE:

N/A

BIOACCUMULATIVE POTENTIAL:

N/A

OTHER ADVERSE EFFECTS:

N/A

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE FROM RESIDUES/UNUSED PRODUCTS:

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAMINATED PACKAGING:

Rinse empty containers with clean water and treat the effluent the same as waste. Clean and empty containers are to be recycled or disposed of in accordance with local regulations.

SECTION 14: TRANSPORT INFORMATION

US DOT:

Not regulated as hazardous material.

IMO:

Not regulated as hazardous material.

IATA:

Not regulated as hazardous material.

RID/ADR:

Not regulated as hazardous material.

CANADIAN TDG:

Not regulated as hazardous material.

ENVIRONMENTAL HAZARDS

MARINE POLLUTANT:

N/A

SPECIAL PRECAUTIONS:

Read safety instructions, SDS and emergency procedures before handling.

**SECTION 15: REGULATORY INFORMATION****US FEDERAL
REGULATIONS:**

This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

PROPOSITION 65 (CA)

Warning: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

**TSCA SECTION 12(B) EXPORT
NOTIFICATION
(40 CFR 707, SUBPT. D):**

Not regulated

**CERCLA HAZARDOUS
SUBSTANCE LIST
(40 CFR 302.4):**

Not applicable

**SARA 304 EMERGENCY
RELEASE NOTIFICATION:**

Not regulated

**OSHA SPECIFICALLY
REGULATED SUBSTANCES
(29 CFR 1910.1001-1050):**

Not listed

**SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA)
HAZARD CATEGORIES:**

Immediate Hazard	Yes
Delayed Hazard Fire	No
Hazard Pressure	No
Hazard Reactivity	No
Hazard	No

**SARA 302 EXTREMELY
HAZARDOUS SUBSTANCE:**

Not listed

**SARA 311/312 HAZARDOUS
CHEMICAL:**

Immediate (acute)

SECTION 16: OTHER INFORMATION**DATE OF LAST REVISION:**

August 2023

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