

# SAFETY DATA SHEET



## SECTION 1: IDENTIFICATION

**PRODUCT IDENTIFIER:** **Pro Core**  
**PRODUCT TYPE/DESCRIPTION:** Solid, granules  
**OTHER MEANS OF IDENTIFICATION:** Nitrates, & inorganic materials in aqueous solution

**SUPPLIER IDENTIFIER:** Athena Ag, Inc.,  
4626 Lenox Avenue, Jacksonville, FL 32205  
Phone: 818.333.1818;  
Email : compliance@athenaag.com

**EMERGENCY PHONE NUMBER:** 1.801.629.0667

## SECTION 2: HAZARD IDENTIFICATION

**GHS CLASSIFICATION:** Acute Toxicity (Oral) – Category 4  
Serious Eye Damage/ Irritation - Category 1  
classified as hazardous

**PICTOGRAM: /  
SIGNAL WORD:**



**PRECAUTIONARY STATEMENTS  
GENERAL:**

H302 – Harmful if swallowed.  
H318 – Causes serious eye damage.

**PREVENTION:**

P280 – Wear protective gloves / protective clothing/eye protection/face protection.  
P270 – Do not eat, drink or smoke when using this product.  
P264 – Wash face, hands, and any exposed skin thoroughly after handling.

**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.  
P310 – Immediately call POISON CENTER or doctor/physician.  
P301 + P312 – IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.  
P330 – Rinse Mouth

**STORAGE:**

P410: Protect from sunlight.

## SAFETY DATA SHEET



### DISPOSAL:

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
Calcium Ammonium Nitrate	15245-12-2	Proprietary
Nitric Acid, Ammonium Salt	6484-52-2	Proprietary
Nitric Acid, Calcium Salt	15245-12-2	Proprietary
Proprietary micronutrient package	N/A	Proprietary
Water	7732-18-5	Proprietary

## SECTION 4: FIRST AID MEASURES

### FOLLOWING INHALATION:

Remove victim from exposure to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. DO NOT USE MOUTH TO MOUTH METHOD. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Seek medical attention immediately.

### FOLLOWING SKIN CONTACT:

Remove contaminated clothing. Wash with soap and water for at least 15 minutes. Obtain medical attention if irritation develops or persists. Wash contaminated clothing before reuse. If irritation persists contact physician.

### FOLLOWING EYE CONTACT:

Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing, if eye irritation persists, get medical attention.

### FOLLOWING INGESTION:

Rinse mouth and get medical attention. Never give anything by mouth to an unconscious person. Toxic if swallowed.

### 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.

**MEDICAL CONDITIONS  
AGGRAVATED BY EXPOSURE:**

Persons with other blood dyscrasias, especially anemia might have increased sensitivity. Persons exposed to other oxidizing agents or other agents known to induce methemoglobinemia, such as nitrobenzene or other nitrates, or those exposed to agents known to deprive the body of oxygen, such as carbon monoxide, hydrogen sulfide or asphyxiates, might be hyper susceptible. Pre-existing heart disease might be aggravated from exposure to this product.

**SECTION 5: FIRE FIGHTING MEASURES****GENERAL MEASURES:**

Clear fire area of all non-emergency personnel. Stay upwind. Keep out of low areas. Eliminate ignition sources. Move fire exposed containers from fire area if it can be done without risk.

**FLAMMABILITY CONDITIONS:**

Non-combustible solid. But substance is a strong oxidizer and its heat of reaction with reducing agents or combustibles may cause ignition.

**EXTINGUISH MEDIA:**

In case of fire, use flooding quantities of water for extinction. DO NOT use chemical extinguisher or foam or attempt to smother the fire with steam or sand.

**FIRE AND EXPLOSION HAZARD:**

Can cause explosions in contact with combustible dust or vapors, occasionally explosive by shock or friction. Sensitive to mechanical impact.

**HAZARDOUS PRODUCTS OF COMBUSTION:**

When involved in a fire, this product may generate oxides of nitrogen and metal oxides.

**SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS:**

DO NOT allow fire-fighting water to reach waterways, drains, or sewers. Store fire fighting water for treatment. Firefighters should wear a positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing.

**SECTION 6: ACCIDENTAL RELEASE MEASURES****GENERAL RESPONSE PROCEDURE:**

Avoid accidents, clean up immediately. Slippery when spilled. Ensure adequate ventilation, especially in confined areas. Remove all sources of ignition. Avoid contact with skin, eyes, and inhalation of vapors.



**CLEAN UP PROCEDURES**

**LARGE SPILLS:**

Move containers from spill area. Approach the release from upwind. Prevent entry into sewers, water courses, basements, or confined areas. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.

**SMALL SPILLS:**

Move containers from spill area. Vacuum or sweep up material and place in a designated, labeled waste container. Disposed of via a licensed waste disposal contractor.

**CONTAINMENT:**

Stop leak if safe to do so, isolate the danger area.

**DECONTAMINATION:**

Residual traces can be wiped away.

**ENVIRONMENTAL PRECAUTIONS:**

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil, or air).

**EVACUATION CRITERIA  
PERSONNEL:**

Evacuate all unnecessary personnel.

**PRECAUTIONARY MEASURES:**

Personnel involved in the clean up should wear full protective clothing as listed in section 8.

**SECTION 7: HANDLING AND STORAGE**

**PRECAUTIONS FOR  
SAFE HANDLING:**

Do not handle until all safety precautions have been read and understood. Use appropriate personal protection equipment (PPE). Avoid contact with skin, eyes and clothing. Avoid breathing vapors, mist, and spray. Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work. Do not eat, drink or smoke when using this product. Wash hands and forearms thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated



clothing before reuse. Always wash your hands immediately after handling this product, and once again before leaving the workplace.

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

Storage Conditions: Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials. Store locked up.

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

**GENERAL:**

Exposure Pattern	DNEL (Workers)	DNEL (General Population)
Oral	N/A	8.3 mg/kg bw/day
Dermal	13.9 mg/kg bw/day	8.3 mg/kg bw/day
Inhalation	24.5 mg/m <sup>3</sup>	6.3 mg/m <sup>3</sup>

As an acute toxicity hazard leading to Classification and Labeling of the substance has not been identified, the long term DNEL is considered sufficient to ensure that effects from acute exposure to the substance do not occur (in accordance with ECHA guidance on information requirements and chemical safety assessment: Chapter R.8: Characterization of dose [concentration] -response for human health, May 2008 and Part B: Hazard Assessment, Draft new chapter B.8 Scope of Exposure Assessment, March 2010). PNEC (freshwater): 0.0011 mg/L for free Ammonia.

**EXPOSURE LIMITS:**

No Data Available

**BIOLOGICAL LIMITS:**

No information available on biological limit values for this product.

**ENGINEERING MEASURES:**

A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into general work area. Adequate ventilation should be provided so that exposure limits are not exceeded.

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

## SAFETY DATA SHEET



**EYE/FACE PROTECTION:** Wear safety glasses with side shields (or goggles) and a full-face shield where splashing or dust is possible (AS1336/1337).

**SKIN PROTECTION:** Neoprene rubber gloves and apron should be worn to prevent repeated or prolonged contact with the liquid. Long-sleeved protective clothing and safety footwear (AS3765/2210). Wear appropriate chemical resistant impervious gloves (AS2161).

**RESPIRATORY PROTECTION:** If conditions exist where mist/dust/vapors may be generated and engineering controls are inadequate, a NIOSH/MSHA approved mist a respirator should be worn (AS1715/1716).

**THERMAL HAZARDS:** Wear appropriate thermal protective clothing, when necessary.

**WORK PRACTICES:** Ensure eyewash and safety shower facilities are available. Do not eat, drink or smoke in work areas. Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory, and at the end of the work period. Remove contaminated clothing and protective equipment before entering eating areas. Wash contaminated clothing before reuse.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>APPEARANCE</b>	Tan
<b>PHYSICAL STATE:</b>	Powder
<b>ODOR:</b>	Odorless
<b>ODOR THRESHOLD:</b>	Not applicable
<b>pH:</b>	3.0-6.0 (5% Solution in water)
<b>MELTING POINT:</b>	Not applicable
<b>FREEZING POINT:</b>	Not applicable
<b>INITIAL BOIL POINT/RANGE:</b>	>500°C
<b>FLASH POINT:</b>	Not applicable
<b>EVAPORATION RATE:</b>	
<b>FLAMMABILITY (SOLID, GAS)</b>	Not applicable
<b>UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMITS</b>	
<b>FLAMMABILITY LIMIT - LOWER (%)</b>	Not applicable
<b>FLAMMABILITY LIMIT - UPPER (%)</b>	Not applicable
<b>EXPLOSIVE LIMIT - LOWER (%)</b>	Not applicable



<b>EXPLOSIVE LIMIT - UPPER (%)</b>	Not applicable
<b>VAPOR DENSITY:</b>	Not applicable
<b>BULK DENSITY:</b>	1100 kg/m <sup>3</sup>
<b>DENSITY:</b>	2.05 g/cm <sup>3</sup> (20°C)
<b>SPECIFIC GRAVITY (H<sub>2</sub>O=1):</b>	Not applicable
<b>SOLUBILITY (ies)</b>	Complete
<b>PARTITION COEFFICIENT, N-OCTANOL/ WATER (LOG/KOW):</b>	Not applicable
<b>AUTO-IGNITION TEMP. (°C):</b>	Not applicable
<b>POTENTIAL FOR DUST EXPLOSION:</b>	Not applicable
<b>DECOMPOSITION TEMP.</b>	>500°C
<b>VISCOSITY:</b>	Not applicable

## SECTION 10: STABILITY AND REACTIVITY

### REACTIVITY & CHEMICAL STABILITY:

Avoid interaction with heat (flames), oxidizers or acids.  
Material is stable under normal conditions.

### POSSIBILITY OF HAZARDOUS REACTIONS:

Hazardous polymerization will not occur

### CONDITIONS TO AVOID:

Direct sunlight. Extremely high or low temperatures. Sources of ignition. Incompatible materials. Avoid contamination by any source including metals, dust and organic materials.

### INCOMPATIBLE MATERIALS:

This product is not compatible with lead or mercury or their alloys. These materials of construction should not be used in handling systems or storage containers for this product.

### HAZARDOUS DECOMPOSITION PRODUCTS:

Under normal conditions, hazardous decomposition should not be produced.

## SECTION 11: TOXICOLOGICAL INFORMATION

### GENERAL INFORMATION:

ORAL: RAT 8050 mg/kg estimated

### EYE IRRITANT: INHALATION:

Causes serious eye irritation pH4 (5%)  
Prolonged inhalation may be harmful. May cause damage to organs through prolonged repeated exposure. (decomposition product) may cause edema of the lungs, symptoms may be delayed up to 48 hours.

### INGESTION:

Harmful if swallowed.

## SAFETY DATA SHEET



**SKIN CORROSION/IRRITATION:** Can cause itching, redness, and pain.  
**CARCINOGEN CATEGORY:** Not listed in the NTP, IARC, or by OSHA.

### SECTION 12: ECOLOGICAL INFORMATION

**ECO TOXICITY:** Not determined  
**PERSISTENCE AND DEGRADABILITY:** Not determined  
**MOBILITY:** Not determined  
**ENVIRONMENTAL FATE:** Not determined  
**BIOACCUMULATIVE POTENTIAL:** This product is not bioaccumulative  
**ENVIRONMENTAL IMPACT:** Not determined

### SECTION 13: DISPOSAL CONSIDERATIONS

**DISPOSAL METHODS & REGULATIONS:**

Consult federal, state and local regulations for disposal requirements.  
Dispose in accordance with all applicable regulations.

**WASTE FROM RESIDUES/UNUSED PRODUCTS:**

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

**CONTAMINATED PACKAGING:**

Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

### 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	No
Delayed Hazard	No
Fire Hazard	No
Pressure Hazard	No
Reactivity Hazard	No

**SARA 302 EXTREMELY  
HAZARDOUS SUBSTANCE:**

Not listed

**SARA 311/312  
HAZARDOUS CHEMICAL:**

Immediate (acute)



**SECTION 16: OTHER INFORMATION**

**DATE OF LAST REVISION:**

June 2022

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