

SAFETY DATA SHEET



SECTION 1: IDENTIFICATION

PRODUCT IDENTIFIER: **Pro Bloom**
OTHER MEANS OF IDENTIFICATION: Mixture of dry fertilizer with micronutrients

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

EMERGENCY PHONE NUMBER: 800.424.9300

SECTION 2: HAZARD IDENTIFICATION

GHS CLASSIFICATION: Acute Toxicity (Oral) – Category 4
Eye Irritation – Category 2A.

**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.

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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 |
|--|------------|-----------------------------|
| Potassium Sulfate | 7778-80-5 | Proprietary |
| Monopotassium Phosphate | 7778-77-0 | Proprietary |
| Magnesium Sulfate | 10034-99-8 | Proprietary |
| Diethylenetriaminepentaacetic acid, Ferric disodium salt | 12389-75-2 | 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:**

N/A

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:

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

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.



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| 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 ³ | 6.3 mg/m ³ |

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.

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| EXPOSURE LIMITS: | No Data Available |
| BIOLOGICAL LIMITS: | No information available on biological limit values for this product. |
| ENGINEERING MEASURES: | Use adequate exhaust ventilation to prevent inhalation of product vapors. Keep eye wash/safety shower in areas where product is commonly handled. |
| PERSONAL PROTECTIVE EQUIPMENT (PPE) | |
| 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

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| APPEARANCE | Tan |
| PHYSICAL STATE: | Powder |
| ODOR: | Odorless |
| ODOR THRESHOLD: | Not applicable |
| SPECIFIC GRAVITY (H₂O=1): | 2.05 g/cm ³ (20°C) |
| RELATIVE DENSITY: | 2.05 g/cm ³ (20°C) |
| pH: | 3-6 (5% Solution in water) |
| MELTING POINT: | Not applicable |
| FREEZING POINT: | Not applicable |
| INITIAL BOIL POINT/RANGE: | >500°C |
| FLASH POINT: | Not applicable |
| EVAPORATION RATE: | |
| FLAMMABILITY (SOLID, GAS) | Not applicable |
| UPPER/LOWER FLAMMABILITY | |
| OR EXPLOSIVE LIMITS: | Not applicable |
| VAPOR PRESSURE: | Not applicable |
| VAPOR DENSITY (AIR=1): | Not applicable |
| SOLUBILITY: | Complete |
| PARTITION COEFFICIENT, N-OCTANOL/ WATER (LOG/KOW): | Not applicable |
| AUTO-IGNITION TEMP. (°C): | Not applicable |
| POTENTIAL FOR DUST EXPLOSION: | Not applicable |
| DECOMPOSITION TEMP. | >500°C |
| VISCOSITY: | 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.

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HAZARDOUS DECOMPOSITION PRODUCTS:

Under normal conditions, hazardous decomposition should not be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

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

SECTION 12: ECOLOGICAL INFORMATION

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|---------------------------------------|-------------------------------------|
| 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



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| 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

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| 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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