



MATERIAL SAFETY DATA SHEET (MSDS)

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier Trade Name: Erupt™ F420™ Product Name: ProGro Start™	Product Use Specialty Fertilizer - NPK Analysis: 9 - 9.1- 8.7
Chemical Family: Plant Nutrient	TDG Class: Not Regulated
Manufacturer's Name Ecological Innovations	Emergency Telephone Numbers Health: Transport: 1-888-989-8389
Manufacturer's Address 3370 Greenwood Rd. Greenwood, ON L0H 1H0 Canada	Website www.eruptnutrients.com

SECTION 2 - COMPOSITION OF INGREDIENTS

Ingredients	CAS REG #	OSHA PEL	ACGIH TLV	WEIGHT %
Ammonical Nitrogen **	6484-52-2	35 mg/m ³	17 mg/m ³	4.50%
Urea Nitrogen	57-13-6	n/e	n/e	4.50%
Soluble Potash (K ₂ O)	12136-45-7	n/e	n/e	9.17%
Available Phosphorus (P ₂ O ₅)	1314-56-3	n/e	n/e	8.71%
Sulfur	7758-98-7	n/e	n/e	1.55%
Water Soluble Magnesium	7704-34-9	n/e	n/e	0.52%
Iron EDTA	15708-41-5	n/e	n/e	0.79%
Manganese EDTA	7785-87-7	n/e	n/e	0.22%
Zinc EDTA	67859-51-2	n/e	n/e	0.09%
Copper EDTA	67989-88-2	n/e	n/e	0.05%
Molybdenum **	7439-98-7	15 mg/m ³	10 mg/m ³	< Trace Amt.
Boron	7440-42-8	n/e	n/e	0.10%

**Below threshold limits

Hazardous Components: N/A

Not classified as a hazardous material by the criteria of the OSHA Hazard Communication Regulation, or EPA 40 CFR and SARA.

SECTION 3 – PHYSICAL DATA

Physical State: Solid

Specific Gravity: Not Applicable

Boiling Point: Not Applicable

Vapour Pressure: Not Applicable

% Volatiles: Not Applicable

Solubility in Water: Partially Soluble

Appearance/Odour: Blue-Green & Grey / None

pH: 6.2 (Slightly Acidic)

Freezing/Melting Point: Not Applicable

Vapour Density: Not Applicable

Evaporation Rate: Not Applicable



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SECTION 4 – FIRE AND EXPLOSION

Flash Point: Not Applicable

Autoignition Temperature: Not Applicable

Lower Explosion Limit: Not Applicable

Upper Explosion Limit: Not Applicable

Fire Extinguisher Media: Foam, Dry Chemical, Carbon Dioxide, Water Fog

Fire Fighting Procedures: Minimize the amount of water used and contain the run-off. The products will decompose on heating.

Other Fire or Explosion Hazards: Noxious fumes, oxides of nitrogen and other hazardous materials may be formed in a fire situation.

SECTION 5 – REACTIVITY DATA

Stability: Stable

Hazardous Polymerization: Will not occur

Conditions to Avoid: Extreme temperatures

Incompatibility (Materials to Avoid): Strong oxidizers and acids

Hazardous Decomposition Products: Ammonia Vapours

SECTION 6 - HEALTH HAZARD DATA

Acute Effects of Overexposure: Product dust can be irritating to the eyes, nose, throat and respiratory tract. May cause coughing and sneezing. Dust may cause redness and irritation in the eyes.

Effects of Chronic Exposure: None of the ingredients are known carcinogens. The products may act as physical irritants to mucous membranes and the eyes. May cause skin sensitization or other allergic responses. Prolonged exposure may cause weakness, headache, mental impairment, kidney injury or respiratory illness. Ingestion of product can cause severe gastrointestinal irritation, muscular weakness, and blue-tinged skin (cyanosis). Infants and children are especially at risk for cyanosis. Ingestion of large amounts may result in death.

No Ingredients Listed as a Carcinogen

IARC Monographs: No

NTP: No

OSHA: No

NFPA Hazard Ratings

Health - 1

Flammability - 0

Reactivity - 1

0 - Least

1 - Slight

2 - Moderate

3 - High



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SECTION 7 - FIRST AID PROCEDURES

Inhalation: Move victim away from dusty environments. Seek medical advice if symptoms persist.

Skin Contact: Wash skin with soap and running water. If irritation occurs seek medical advice.

Ingestion: Give 1 to 2 glasses of water (200 to 500 ml) to dilute material. Do not induce vomiting. Vomiting should only be induced under the direction of a physician or poison control information centre. If spontaneous vomiting occurs, have victim lean forward with head down to avoid breathing of vomit, rinse mouth and administer more water. **OBTAIN MEDICAL ADVICE.** Do not induce vomiting or give anything by mouth to an unconscious person.

Eye Contact: Flush eyes with running water for 20 minutes. Hold eyelids open during flushing. If irritation persists seek Medical Attention.

SECTION 8 - PREVENTIVE MEASURES

Respiratory Protection: NIOSH/MSHA approved respirator, if required

Eye Protection: Chemical goggles or glasses

Skin Protection: Chemical resistant gloves to avoid the drying of the skin

Other Personal Protective Equipment: None required.

Engineering Controls: None required

Storage Requirements: Store in cool, dry, well ventilated area away from children

Storage Temperature: Min: 0 °C Max: 40 °C

SECTION 9 - ENVIRONMENTAL PROTECTION DATA

Spill and Leak Procedures: Stop leak, contain spill and transfer into waste container for disposal. Clean area with broom.

Waste Disposal: Dispose of empty container in household garbage. Dispose of spilt product as a Fertilizer, in accordance with Local, Provincial/State or Federal government regulations.

Environmental Effects: Do not contaminate local water supplies.

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Prepared by: Technical Department

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