



MATERIAL SAFETY DATA SHEET (MSDS)

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier Trade Name: Erupt™ HY-Max™ Enhancers Product Name: Rootimus Maximus™	Product Use Plant Root Enhancer CONTAINS NON-PLANT FOOD INGREDIENTS
Chemical Family: Not Applicable	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 %
Humates	68910-55-4	n/e	n/e	3.2 %
Worm Castings	n/e	n/e	n/e	n/a
Fish Solubles	n/e	n/e	n/e	n/a
Crab Meal	n/e	n/e	n/e	n/a
Polysaccharides	37319-17-8	n/e	n/e	5.1 %
Thiamine Mononitrate (Vitamin B ₁)	532-43-14	n/e	n/e	0.31%

Hazardous Components: Not Applicable

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: Dark Grey Powder / None
pH: Not Available
Freezing/Melting Point: Not Applicable
Vapour Density: Not Applicable
Evaporation Rate: Not Applicable



MATERIAL SAFETY DATA SHEET (MSDS)

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: Water or CO₂

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 may be formed in a fire situation.

SECTION 5 – REACTIVITY DATA

Stability: Stable

Hazardous Polymerization: Will not occur

Conditions to Avoid: Extreme temperatures >400°F

Incompatibility (Materials to Avoid): None Known

Hazardous Decomposition Products: None Known

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. May aggravate pre-existing conditions.

Effects of Chronic Exposure: None of the ingredients are known carcinogens. The products may act as physical irritants to mucous membranes, the eyes, respiratory tract and lungs. May cause skin sensitization or other allergic responses. Prolonged exposure may cause weakness, headache, and kidney injury.

Ingestion of product can cause severe gastrointestinal irritation.

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 - 0

0 - Least

1 - Slight

2 - Moderate

3 - High



MATERIAL SAFETY DATA SHEET (MSDS)

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: Particulate Dust Mask or 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. Keep lid tightly sealed.

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.

The information contained herein is considered accurate and offered only as a guide to the handling of this specific material. This information, does not relate to its use with any other material or product or in any process. No warranty, expressed or implied is made regarding the accuracy of the data or the performance of the material by Eco-Logical InnovationsTM. This Material Safety Data Sheet is valid for three years from Issue Date.

Prepared by: Technical Department

Issue Date: September 12, 2011