

Material Safety Data Sheet

Roots Organics Elemental

Last Revision: September 2012

Emergency Phone: (541) 913-9612

Product Identification

Name: **Elemental**

Chemical description: Basic dry fertilizer mix containing limestone, gypsum and fish protein Hydrolysate.
This product is physically a fine white powder organic and mineral combination.

Hazardous components: Silica Dust

Company: Aurora Innovations, Inc. (541) 359-1580 www.aurorainnovations.com

Physical/Chemical Characteristics

Boiling point	Not applicable
Vapor pressure	Not applicable
Vapor density	Not applicable
Evaporation rate	Not applicable
Melting point	Decomposes >400 F
Specific gravity	Not applicable
pH	3.3
Solubility in water	Insoluble
Appearance	Finely ground white powder
Odor	Strong smell of fish

Fire and Explosion Information

Flash point	Not applicable
Flammable limits	May char or smolder if exposed to fire, may be induced to burn
Extinguishing media	Water, CO ₂
Special fire fighting procedures	No special methods required
Special fire and explosion hazards	May emit corrosive fumes when charred by intense heating

Reactivity Data

Stability	Stable at normal temperatures
Conditions to avoid	Contact with strong oxidizers
Incompatibility	Strong alkalis may release ammonia fumes
Hazardous decomposition	Ammonia or CO ₂ may form if product is strongly heated or oxidized

Hazardous polymerization Will not occur

Spill or Leak Procedures

If spilled, simply sweep or vacuum up spilled product, dispose as soil.
Decontamination is unnecessary. No environmental hazards.

Health Effects/First Aid Information

Inhalation: Remove to fresh air, if breathing difficult, administer oxygen. Consult physician.

Eyes: Will irritate on contact, wash out quickly to remove all particulate matter.

Ingestion: For small amounts, drink plenty of water. More than a mouthful should be purged by vomiting,
but only if victim is conscious.

Skin: Wash with soap and water.

Signs/symptoms of exposure: Product components are soil like in nature and are non-toxic, non
allergenic, and non pathogenic to mammals. No known chronic effects.

Carcinogenicity: Silica dust is listed as a carcinogen in California, other ingredients not listed as
carcinogenic in
NTP or IARC listings. Not OSMA regulated.

Precautions for Safe Handling and Use:

Respiratory protection: Not normally needed. If dusting occurs, use approved respirator to eliminate
exposure.

Ventilation: Exhaust fan recommended for dust control and potential ammonia odor.

Protective gloves/clothing: Rubber or plastic recommended if repeated or prolonged contact expected.

Eye protection: Chemical splash goggles recommended where dust is expected. Safety glasses suffice
otherwise.

Work practices: Use good housekeeping practices.

Spills: Avoid creating dust when cleaning up. Scoop, shovel or sweep to labeled containers for
recycling/salvage, if
not contaminated by other material.

Waste disposal method: Package for removal to approved landfill, or apply to container soil as an
amendment.

Precautions for storing and handling: None
