

MATERIAL SAFETY DATA SHEET

GENERAL ORGANICS BIOROOT®

7/1/09

SECTION 1. MATERIAL IDENTIFICATION

Product Name: General Organics BioRoot®

Chemical Family: A liquid organic compost concentrate seaweed extract

General Use: To improve plant viability and performance

Manufactured by: GH Inc., 3789 Vine Hill Road, Sebastopol CA 95472
(707) 824-9376 Fax: (707) 824-9377

For Emergency Day or Night Call: CHEMTREC – Domestic North America 800-424-9300,
International 703-527-3887 (collect calls accepted)

SECTION 2. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients: BioRoot's® ingredients and the chemical identity of the compounds and their exact proportions used in the mixture are a trade secret. It does not contain toxic chemicals in concentrations subject to the reporting requirements of OSHA or section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and CFR Part 372.

Exposure Limits: No limits are established for exposure to constituents of aqueous solutions of BioRoot®.

SECTION 3. HAZARDS IDENTIFICATION

*** Emergency Overview ***

**As part of good industrial and personal hygiene and safety procedure,
avoid all unnecessary exposure to the chemical substance and ensure
prompt removal from skin, eyes and clothing**

Potential Health Effects

Primary Entry Routes: Ingestion and skin or eye contact

Ingestion: Low ingestion hazard

Eye: Potential mild irritation

Skin: Potential mild irritation

Inhalation: Not considered an inhalation hazard

Carcinogenicity: IARC, NTP, and OSHA do not list components as carcinogens.

Medical Conditions Aggravated by Long- Term Exposure: Unknown

Chronic Effects: Not known

Other: Not known

SECTION 4. FIRST AID MEASURES

Inhalation: Remove exposed person to fresh air and support breathing, if necessary. Consult a physician if respiratory distress continues.

Ingestion: If swallowed, give several glasses of water to drink to dilute product. Never give anything by mouth to an unconscious person. Induce vomiting as directed by medical personnel. Call a physician.

Eye Contact: Do not allow victim to rub or keep eyes tightly shut. Gently lift eyelids and flush immediately and continuously with flooding amounts of water for at least 15 minutes. Consult a physician or ophthalmologist if pain or irritation develops.

Skin Contact: Wash exposed area with mild soap and water. For reddened or blistered skin, consult a physician.

After first aid: Get appropriate community medical support.

SECTION 5. FIRE AND EXPLOSION DATA

Flammability Classification: Not flammable

Burning Rate: Not combustible

Extinguishing Media: Use any means suitable for extinguishing surrounding fire.

Fire Fighting Equipment: Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full-face piece.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Spill/Leak Procedures: Spills should be washed down with water, as all components are biodegradable.

Regulatory Requirements: None

SECTION 7. HANDLING AND STORAGE

Handling Precautions: Avoid ingestion, skin contact, eye contact, and inhalation

Storage Requirements: Keep in tightly closed containers in a cool, dry, ventilated area.

Regulatory Requirements: Follow applicable OSHA regulations.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Ventilation: Not required

Administrative Controls: Minimize direct contact with the product.

Respiratory Protection: If this product is used as directed, respiratory protection is not required. Seek professional advice prior to respirator selection and use. Follow OSHA respirator regulations (29 CFR 1910.134) and, if necessary, wear a MSHA/ NIOSH-approved respirator. If

respirators are used, OSHA requires a written respiratory protection program that includes, at least: medical certification, training, fit testing, periodic environmental monitoring, maintenance, inspection, cleaning, and convenient, sanitary storage areas.

Eye Protection: When handling protective eyewear or goggles should be worn per OSHA regulations (29 CFR 1910.134). Contact lenses pose a special hazard. Soft lenses may absorb irritants, and all contact lenses concentrate irritants. Particles may adhere to contact lenses and cause corneal damage.

Protective Clothing: Wear impervious protective clothing when the possibility of skin or clothing contamination may exist.

Safety Stations: Eye wash stations, quick drench showers, and washing facilities should be readily accessible to workers handling large quantities.

Contaminated Equipment: Remove this material from shoes and equipment. Launder contaminated clothing before wearing.

Comments: Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this product, especially before eating drinking, smoking, using the toilet, or applying cosmetics.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Aqueous solution

Specific Gravity: 1.04 ± .06

Appearance and Odor: Dark liquid with mild earthy odor

pH: 3.1 ± 0.5

Odor Threshold Range: Unknown

Vapor Pressure: Unknown

Water Solubility: Soluble

Other Solubilities: Unknown

Boiling Point: 100° C

Freezing Point: -1° C

Viscosity: Unknown

SECTION 10. STABILITY AND REACTIVITY

Stability: Stable at room temperature in closed containers, under normal storage and handling conditions

Polymerization: Hazardous polymerization does not occur.

Chemical Incompatibilities: None known

Conditions to Avoid: Contact with incompatibles

Hazardous Decomposition Products: N/A

SECTION 11. TOXICOLOGICAL INFORMATION

Not believed to be toxic

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity: Unknown

Environmental Fate: Not expected to be significant

Environmental Degradation: Unknown

SECTION 13. DISPOSAL CONSIDERATIONS

Waste Disposal: Follow Federal, State, and Local regulations.

SECTION 14. TRANSPORTATION INFORMATION

DOT Transportation Data (49 CFR 172.101): Ingredients not listed

SECTION 15. REGULATORY INFORMATION

EPA Regulations: Not listed

SECTION 16. OTHER INFORMATION

General Organics BioRoot® is a plant nutrition product. Information assembled for this Material Safety Data Sheet is for the use of this product as intended by the manufacturer. Users should take all precautions recommended herein while working with this product.

GH Inc. provides the information contained herein in good faith, but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in using this product.