

SOUTHWEST RESEARCH INSTITUTE™

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CHEMISTRY AND CHEMICAL ENGINEERING DIVISION
DEPARTMENT OF ANALYTICAL AND ENVIRONMENTAL CHEMISTRY

GANIX™
08/31/05

MATERIAL SAFETY DATA SHEET

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Section 1: PRODUCT AND COMPANY IDENTIFICATION

Ganix Bio-Technologies™, L.L.C.
6900 Westcliff Drive, Suite 608
Las Vegas, NV 89145

Company Phone Number: (702)304-2649
Medical Emergency: (702) 302-6709/L.Zettell, Ph.D.
Chemical Emergency: (702)302-6709/L.Zettell, Ph.D

Product Name: Ganix™ Soil and Water Conditioner
Product Code:: GANIX™

Issue Date: 08/31/05
Supersedes Date: 01/01/03

Section 2: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Appearance/Odor: Light brown liquid, no odor.

WARNING

Flammable: Non-Flammable, Non-Combustible.
May not cause eye and skin irritation, flush with water if contacted.
Non-toxic to fish.

Likely Routes of Exposure: Eye contact, skin contact, inhalation

Eye: Prolonged exposure may not cause irritation. Flush with water if contacted.
Skin: Prolonged exposure may not cause irritation. Flush with water if contacted.
Ingestion: Not likely to be toxic but may cause irritation to the mouth, throat and stomach.
Inhalation: None.

Medical Conditions Aggravated By Exposure: None.

Target Organs: None.

This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Potential Environmental Effects: Non-toxic to fish.

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS #</u>	<u>% by Wt.</u>
Sea Water		97%

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Section 4: FIRST AID MEASURES

Eye Contact: Immediately flush eyes with water for at least 15 minutes. Get medical attention if necessary.

Skin Contact: Remove contaminated clothing and wash in normal manner before reuse. Wash skin with soap and water if necessary.

Inhalation: Not applicable.

Ingestion: Offer water to drink. Get medical attention if necessary.

Note to Physician:

This product contains enzyme only, it does not contain an inhibitor. Treatment with atropine and oxime to induce vomit is not necessary.

Section 5: FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Not applicable.

Unsuitable Extinguishing Media: Not applicable.

Products of Combustion: Not applicable.

Protection of Firefighters: None required.

Section 6: ACCIDENTAL RELEASE MEASURES

Personnel Precautions: None required. Use safety goggles and gloves to handle the material if necessary.

Environmental Precautions: This material is biodegradable and it is not a water pollutant; leaking or spilling material into waterways is safe.

Methods for Containment: Adsorb spilled liquid with suitable material or flush with water.

Methods for Clean-Up: Clean with water.

Other Information: Spills of this material do not need to be reported to the National Response Center.

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Section 7: HANDLING AND STORAGE

Handling

The material is spark proof and non-flammable. No special tool is required. Use safety goggles and gloves to handle the material.

Storage

Store at room temperature. Keep container closed when not in use. Product residue may remain in empty containers.

Section 8: EXPOSURE CONTROL/PERSONNEL PROTECTION

Exposure Guidelines: Not applicable

Engineering Controls: Not applicable.

Eye/face Protection: Splash goggles

Skin Protection: Butyl or impervious rubber gloves

Respiratory Protection: None required.

General Hygiene Protection: Wash hands thoroughly after handling. Wash eyes with water if necessary.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Color: Light brown liquid.

Odor: Odorless.

Odor Threshold: Not available.

Physical State: Liquid.

pH: 8.0

Freezing Point: 28.5°F (-1.9°C)

Boiling Point: 212°F. (100°C)

Flash Point: None.

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Evaporation Rate: <1.0.

Flammability: None.

Upper Flammability Limit, % @ 122°F (50°C): Not available.

Lower Flammability Limit, % @ 122°F (50°C): Not available.

Vapor Pressure, mm Hg @ 68°F (20°C): Not available.

Vapor Density: Not available.

Specific Gravity: 1.0156 @ 25°C (77°F).

Solubility (water): 100% soluble

Partition Coefficient (n-octanol/water): Not available.

Auto-ignition Temperature: None.

Percent Volatile: Not available.

Volatile Organic Compound (VOC) Content, wt. %: Not applicable.

Section 10: STABILITY AND REACTIVITY

Stability: Stable.

Conditions to Avoid: None.

Incompatible Materials: None.

Hazardous Decomposition Products: None.

Possibility of Hazardous Reactions: None.

Section 11: TOXICOLOGY INFORMATION

ACUTE EFFECTS

Oral LD₅₀: No data.

Dermal: LD₅₀: No data.

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Inhalation: No irritation, not vapor related.

Eye Irritation: No irritation, not vapor related.

Skin Irritation: No irritation on skin contact.

Sensitization: Not expected to cause skin or respiratory sensitization.

CHRONIC EFFECTS

Carcinogenicity: No carcinogenic effects. The material ingredients are not found in the lists of OSHA, NTP, and IARC.

Mutagenicity: None.

Reproductive Effects: No data.

Development Effects: No data.

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity: No data.

Persistence/ Degradability: Degradation is expected under aerobic and anaerobic conditions.

Bioaccumulation/ Accumulation: No appreciable bioconcentration is expected in the environment.

Section 13: DISPOSAL CONSIDERATION

Disposal: Non hazardous waste. Dispose as regular waste.

Section 14: TRANSPORTATION INFORMATION

US DOT (ground)

Proper Shipping Description: Non-flammable and non-hazardous liquid.

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Section 15: REGULATORY INFORMATION

Toxic Substance Control Act (TSCA): United States Included.

SARA 313 Information: Included.

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65)

This material is not known to contain any chemicals listed as carcinogens or reproductive toxins under California Proposition 65.

Section 16: OTHER INFORMATION

NFPA 704: National Fire Protection Association

Health – 0 Fire – 0 Reactivity – 0

0 = minimal hazard, 1 = slight hazard, 2 = moderate hazard, 3 = severe hazard, 4 = extreme hazard

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