



BioFlavX PGE

SECTION 1 – IDENTIFICATION

PRODUCT IDENTIFIER:	BioFlavX PGE		
PRODUCT USE:	Poultry Gut Enhancer		
MANUFACTURER:	EarthCleanz – A Division of Green Earth Naturally, LLC		
ADDRESS:	2314 Ridgefield Street NE		
CITY:	Roanoke	STATE:	Virginia
		ZIP:	24012
		COUNTRY:	USA

SECTION 2 – COMPOSITION

HAZARDOUS INGREDIENTS	%	CHEMICAL ABSTRACT (CAS) NUMBER
Water	75-85	7732-18-5
Citric Acid	5-6	77-92-9
Acetic Acid	5-6	64-19-7
Ascorbic Acid	<1	50-81-7
Plant Extract		

SECTION 3 – HAZARDS INFORMATION AND RATINGS

WARNING
 PHYSIO-CHEMICAL HAZARDS: None
 HEALTH HAZARDS: Harmful by contact with skin or if swallowed. Irritating to respiratory system at full strength.
 ENVIRONMENTAL HAZARDS: Not classified as dangerous for the environment.
 HMIS Hazard Ratings: Health - 1, Flammability - 0, Chemical Reactivity - 0
 NFPA Hazard Ratings: Health - 1, Flammability - 0, Instability - 0
 Key: Severe = 4, Serious = 3, Moderate =2, Slight = 1, Minimal = 0

SECTION 4 – FIRST AID MEASURES

Inhalation: Remove victim to fresh air if affected.
Ingestion: Do not induce vomiting. If victim is conscious, have them drink copious amounts of water to dilute ingested material. Never give anything by mouth to an unconscious or convulsing person. Seek medical attention if stomach discomfort occurs.
Skin contact: Remove contaminated clothing. Wash skin with soap and water. Launder clothing before reuse.
Eye Contact: Immediately flush eyes with water for 20 minutes while retracting eyelids. If irritation persists, seek medical advice.
General: Always seek medical advice if an allergic reaction occurs.

SECTION 5 – FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA:	N/ap.
PROTECTIVE EQUIPMENT:	None
EXPOSURE HAZARDS:	N/ap.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS:
 Prevent skin and eye contact by wearing appropriate personal protective equipment. Once diluted, there is no need for personal protection. May be slightly slippery if spilled.
ENVIRONMENTAL PRECAUTIONS:
 Product poses minimal risk to the environment in the packaged quantities. Prevent run-off from entering surface water bodies containing aquatic life. Use absorbent materials.



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REMEDIATION MEASURES:
Wear appropriate personal protective equipment. Contain spill with dikes and absorbent materials. Collect in suitable closed container. Dispose of waste solutions or used absorbent materials according to all local, regional, and national regulations. Do not discharge spilled material into surface water bodies or ground water.

SECTION 7 – HANDLING AND STORAGE

VENTILATION:
Normal

DUST/AEROSOL CONTROL:
Not expected under normal conditions of use.

EQUIPMENT:
Wear appropriate personal protective equipment.

OTHER:
Store in tightly closed containers, and away from children. Store away from extreme heat to prevent denaturing. Do not freeze.

SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

RESPIRATORY PROTECTION:
No respiratory protection is warranted under expected conditions of use.

HAND PROTECTION:
Latex gloves are recommended. Wash hands thoroughly after handling.

EYE PROTECTION:
Chemical safety goggles or glasses are recommended. Do not wear contact lenses.

SKIN PROTECTION:
No special requirements.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Golden brown –slightly cloudy. Oily	VAPOUR DENSITY:	N/ap.
pH:	5.3-6.8	ODOR:	Acid Odor (pickling spice)
MELTING POINT:	N/ap.	BOILING POINT:	101 C
FLAMMABILITY (SOLID, GAS):	None	FLASH POINT:	N/ap.
EXPLOSIVE PROPERTIES:	None	OXIDIZING PROPERTIES:	None
SOLUBILITY:	Very Soluble		

SECTION 10 – STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable under normal conditions of use.

INCOMPATIBILITY: Avoid strong oxidizer and strong bases.

REACTIVITY: Hazardous polymerization does not occur.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide. Carbon dioxide.

SECTION 11 – TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY:
Skin Contact, Skin Absorption, Eye Contact, Inhalation, Ingestion.

EFFECTS OF ACUTE EXPOSURE:
Inhalation may cause nose and throat irritation, citric taste in mouth, and headache. High vapor concentrations may cause respiratory tract irritation. May cause mild skin irritation upon contact. Vapor is irritating to the eyes. Liquid can cause irritation, pain, reddening of the eyes and corneal injury which heals within a few days.

EFFECTS OF CHRONIC EXPOSURE: Prolonged or repeated skin contact can cause dermatitis.

NARCOSIS: Not reported. **IRRITANCY:** As above. **SENSITIZATION:** As above.

CARCINOGENICITY: Not reported. **TERATOGENICITY:** Not reported. **REPRODUCTIVE TOXICITY:** Not reported.

MUTAGENICITY: Not reported. **SYNERGISTIC PRODUCTS:** Not reported.

SECTION 12 – ECOLOGICAL INFORMATION

MOBILITY: Completely water-soluble. Expected to be mobile in aqueous media.

DEGRADABILITY: High degradability expected based on chemical structure.

ACCUMULATION: Does not accumulate in biological systems. No potential for biomagnifications.

ECOTOXICITY: Expected to have no ecotoxicity to aquatic organisms, soil organisms, plants, and terrestrial animals.



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OTHER EFFECTS: No potential for ozone depletion or creation. Not a contributor to global warming. Not expected to adversely effect wastewater treatment plants. Will potentially kill microbes: bacteria, fungi and virus.

SECTION 13 – DISPOSAL CONSIDERATIONS

Disposal of surplus or waste product from designed use is not expected to pose a significant danger. Dispose of waste according to all local, regional, and national regulations.

SECTION 14 – TRANSPORT INFORMATION

Not regulated. Do not store product near extreme heat to prevent denaturing of emulsifier. Do not freeze.

SECTION 15 – REGULATORY INFORMATION

Other Provisions:

Comply with all national or regional environmental and occupational health and safety requirements.

NOTE: This document is given in good faith and has been prepared in accordance with the MSDS of the OSHA Hazard Communication Standard 29 CFR 1910, 1200. However, no warranty explicit or implicit is given. It is the buyer's responsibility to assure local, state, or federal laws, and the regulatory conditions of each location. (CERCLA) Comprehensive Response Compensation and Liability Act.

The reportable quantity (RQ) is 1 lb. (0.5 Kg.) and must be reported to the National Response Center at 1-800-424-8802.

(SARA) (USA) Super Fund Amendment and Reauthorization Act.

Product subject to the reporting stipulations of Title III or Section 313 of 1986. Sections 311 and 312 hazard classification(s): fire hazard, delayed health hazard (Chronic), immediate health hazard (acute).

(TSCA) US Toxic Substances Control Act. Product listed on the TSCA Inventory.

SECTION 16 – OTHER INFORMATION

Abbreviations used on the MSDS: N/av. = not available, N/ap. = Not applicable, ppm = parts per million, TLV = Threshold Limit Value

The information contained herein is based on current knowledge and experience; no responsibility is accepted that the information is sufficient or correct in all cases. Users should consider these data only as a supplement to other information. Users should make independent determination of suitability and completeness of information from all sources to assure proper use and disposal of these materials, the safety and health of employees and customers, and the protection of the environment.