1. PRODUCT AND SUPPLIER IDENTIFICATION

Trade Name: TrioActive Extract

Description: A water extract of *Linum Usitatissimum (Linseed) Seed, Musa Sapientum (Banana) Fruit, Glycine Soja (Soybean) Seed, Lithospermum Erythrorhizon Root and Azadirachta Indica Leaf.*

Uses: skincare products

Supplier: BIOASSAY SYSTEMS
3191 Corporate Place
Hayward, CA 94545. USA
Tel: +1-510-782-9988 x 301
Email: huang@bioassaysys.com

2. HAZARDS INDENTIFICATION

Global harmonized system (GHS) classification

Signal Words:	None. Not hazardous
Hazard Statements:	Not Applicable
Precautionary Statements:	Not Applicable

OSHA Hazard Classification: This product is not considered to be hazardous under OSHA 29 CFR 1910.1200.

3. COMPOSITION/INFORMATION ON INGREDIENTS

All Ingredients, including non-hazardous ingredients

Water (CAS # 7732-18-5; EINECS # 231-791-2), 94.50-98.95%.

Musa Sapientum (Banana) Fruit Extract (CAS # 89957-82-4; EINECS # 289-602-4), 0.01 - 0.9wt%.

Linum Usitatissimum (Linseed) Seed Extract (CAS # 8001-26-1; EINECS # 232-278-6), 0.01 - 0.9wt%.

Glycine Soja (Soybean) Seed Extract. CAS # 84776-91-0; EINECS # NA), 0.01 - 0.9wt%.

Azadirachta Indica Leaf Extract (CAS # 84696-25-3; EINECS # 283-644-7), 0.01 - 0.9wt%.

Lithospermum Erythrorhizon Root Extract (CAS # 223749-76-6; EINECS # NA), 0.01 - 0.9wt%.

Phenoxyethanol (CAS # 122-99-06; EINECS # 204-589-7) is added at 0.9 wt% as a preservative.

4. FIRST AID MEASURES

Inhalation: Remove exposed person to fresh air if adverse effects are observed.

Eye Contact: Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses.

Skin Contact: Wash with soap and water. If skin irritation occurs, get medical attention.
Ingestion: Treat symptomatically. Get medical attention.

5. FIRE FIGHTING MEASURES

Extinguishing Media: water spray, carbon dioxide, dry chemical powder or appropriate foam.

Special Firefighting Procedures: wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Unusual Fire and Explosion Hazards: None.

6. ACCIDENTAL RELEASE MEASURES

Personal Protection for Emergency Situations: No extra protection required beyond that listed in Section 8. In case of fire, use normal fire fighting equipment.

Spill Mitigation Procedures
Air Release: Not applicable.

Water Release: This material is soluble in water. Retain all contaminated water for removal and treatment. Notify all downstream users of possible contamination.

Land Release: Create a dike or trench to contain materials. Absorb spill with inert material (e.g., dry sand, clay, earth or commercial absorbent), then place in a chemical waste container. Contain all contaminated water for disposal and/or treatment. Do not place spill materials back in their original containers.

Additional Spill Information: Stop source of spill as soon as possible and notify appropriate personnel. Utilize emergency response personal protection equipment prior to the start of any response. Evacuate all nonessential personnel. Dispose of spill residues per guidelines under Section 13, Disposal Consideration.

7. HANDLING AND STORAGE

Handling: Do not take internally. Do not eat or drink when handling. Mix prior to using.

Storage: Keep receptacles tightly sealed and store in cool, dry and well ventilated place away from direct sunlight.

Shelf Life Limitations: please refer to the expiry date on the Certificate of Analysis (COA) for the particular lot.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ventilation: Additional ventilation beyond that of general exhaust is not normally required. No exposure limits exist for the constituents of this product.

Protective Equipment for Routine Use of Product
Respiratory Protection: Not normally required.
Skin Protection: Wear impermeable gloves.
Eye Protection: Use safety glasses with side shields.
Protective Clothing Type: Impervious.

Hygiene Measures: Always observe good personal hygiene measures, such as washing after handling the

material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Liquid
Appearance & odor:	Amber brown liquid with a characteristic green tea odor
Odor threshold:	Not available
Specific gravity:	1.0 g/mL
Vapor pressure:	Not available
Vapor density:	Not available
Evaporation rate:	Not available
Freezing point:	0 °C
Boiling point:	100 °C
pH:	6 - 7 (at 25 °C)
Water/oil distribution Coefficient:	Not available
Solubility:	Soluble in water

10. STABILITY AND REACTIVITY

Stability and Reactivity Summary: Stable under normal conditions. Not sensitive to mechanical shock. Not sensitive to static discharge. Product will not undergo hazardous polymerization.

Conditions to Avoid: High temperatures.

Chemical Incompatibility: Strong oxidizing agents.

Hazardous Decomposition Products: Carbon dioxide, carbon monoxide.

Decomposition Temperature: No data.

11. TOXICOLOGICAL INFORMATION

Component Animal toxicology

Oral LD50 value: Phenoxyethanol 1,260 mg/kg rat

Inhalation: Phenoxyethanol Not available

Dermal LD50 value: Phenoxyethanol 14,422 mg/kg rabbit

Skin Irritation: Not expected to be irritating to the skin.

Eye Irritation: This material is expected to be non-irritating.

Skin Sensitization: Not expected to be a skin sensitizer.

Acute Toxicity: There are no known or reported target organ effects from acute exposure.

Subchronic/Chronic Toxicity: There are no known or reported effects from chronic exposure.
Phenoxyethanol: Animal studies suggest that chronic (repeated) overexposure by inhalation may result in damage to the liver, kidneys and blood.

Reproductive and Developmental Toxicity: Not known or reported to cause reproductive or developmental toxicity. Phenoxyethanol: This chemical has been tested in laboratory animals and no evidence of teratogenicity, embryotoxicity or fetotoxicity was seen.
Mutagenicity: Not known or reported to be mutagenic. Phenoxyethanol: This chemical has been shown to be non-mutagenic based on a battery of assays.

Carcinogenicity: Not known or reported to be carcinogenic by any reference source including IARC, OSHA, NTP, or EPA.
Phenoxyethanol: This chemical is not known or reported to be carcinogenic by any reference source including IARC, OSHA, NTP, or EPA.

12. ECOLOGICAL INFORMATION

Avoid release into the environment. Runoff from fire control or dilution water may cause pollution.

13. DISPOSAL INFORMATION

Treatment, storage, transportation, and disposal must be in accordance with applicable Federal, State/Provincial, and Local regulations. Since emptied containers retain product residue, follow label warnings even after container is emptied.

14. TRANSPORT INFORMATION

Land (US DOT): Not Regulated as a hazardous material.

Water (IMDG): Not Regulated.

Air (IATA): Not Regulated.

15. REGULAROTY INFORMATION

SARA 302 Components: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components: No chemicals in this material are subject to reporting levels established by SARA Title III, Section 313.

16. OTHER INFORMATION

The above information is believed to be accurate, but does not purport to be all inclusive and shall be used only as a guide. BioAssay Systems makes no warranty, express or implied, and assumes no responsibility as to the accuracy or suitability of such information or application to the User's intended purpose or for consequences of its use. The Users should make independent decisions regarding the completeness of information based on all sources available.