

## PRODUCT SPECIFICATION

### Nutra Plant Complex II

Code: 3149

**PRODUCT DESCRIPTION:** A unique proprietary blend of:

INGREDIENT/INCI	CAS	EINECS
Glycerin	56-81-5	200-289-5 (I)
<i>Equisetum arvense</i> Extract (Horsetail Grass)	71011-23-9	275-123-8 (I)
Water	7732-18-5	231-791-2 (I)
<i>Rosmarinus officinalis</i> (Rosemary) Leaf Extract	84604-14-8	283-291-9 (I)
Honey	8028-66-8	NA
<i>Urtica dioica</i> (Nettle) Leaf Extract	NA	NA
<i>Chamomilla recutita</i> ( <i>Matricaria</i> ) Flower Extract (Chamomile)	84082-60-0	282-006-5 (I)
<i>Symphytum officinale</i> Leaf Extract (Comfrey)	84696-05-9	283-625-3(I)
Ethyl Alcohol	64-17-5	200-578-6 (I)
<i>Humulus lupulus</i> (Hops) Extract	8016-25-9, 8060-28-4	232-504-3 (I)
<i>Lawsonia inermis</i> (Henna) Flower/Fruit/Leaf Extract	84929-30-6	284-514-2 (I)

Test	Specification	Method / Reference
<b>Physical:</b>		
Appearance	Slightly viscous liquid	Visual
Color	Dark brown, compares to standard	Visual
Odor	Characteristic, faintly floral aromatic	Olfactory
Solids Content	65.00-85.00% (2 hrs @ 105° C)	TM 0006
pH	4.00 – 6.00	TM 0007/USP<791>
Refractive Index	1.4200 – 1.4800	TM 0008/USP<831>
Specific Gravity	1.2300-1.2800	TM 0009/USP<841>
Identification	Compares to Standard	FTIR or TLC
<b>Microbiological:</b>		
Total Aerobic Plate Count	NMT 1,000 cfu/g	USP <2021>
Combined Yeast & Mold	NMT 200 cfu/g	USP <2021>
<i>E. coli</i>	Absent	USP <2022>
<i>Salmonella</i>	Absent	USP <2022>
<i>Staph. Aureus</i>	Absent	USP <2022>

**NOTES:** RETEST DATE: 24 Months Unopened  
 STORAGE: Store in a well closed container in a dry place away from excessive heat.  
 Do not freeze.  
 SHIPPING: Do not exceed 120° F. Do not freeze.  
 PACKAGING: 5 gallon white HDPE plastic pail with SBR gasket and HDPE locking lid or 55 gallon blue HDPE plastic drum with SBR gasket and HDPE locking lid



Effective Date: 2/9/2016 Rev. 3



Botanical Extracts  
Tinctures  
Nutraceuticals  
Cosmetic Intermediates  
Phytochemicals  
Spray Drying  
Product Development



## SAFETY DATA SHEET

(1 of 5)

**IDENTITY: Nutra Plant Complex II**  
**CODE: # 3149**

Rev 1

### **Section 1 – Product and Company Identification**

**Bio-Botanica, Inc.**  
**75 Commerce Drive**  
**Hauppauge, New York 11788**  
**Telephone: (631) 231-5522**  
**Fax: (631) 231-7332**  
**Date: 02/09/16**

### **Section 2 – Hazards Identification:**

**GHS Classification in accordance with 29 CFR 1910 (OSHA HCS):** Not classified.

**GHS Label elements:** No labeling applicable.

**OSHA Regulatory Status:** This material is non-hazardous as defined by the American OSHA Hazard Communication Standard (29CFR 1910.1200)

**Other Hazards:** No additional information available.

**Unknown Acute Toxicity (GHS-US):** No data available.

### **Section 3 - Composition Information:**

**Definition/Botanical Origin:** A unique proprietary blend of the following:

INGREDIENT	INCI	CAS	EINECS
Glycerin	Glycerin	56-81-5	200-289-5 (I)
Horsetail Grass Extract	<i>Equisetum arvense</i> Extract	71011-23-9	275-123-8 (I)
Water	Water	7732-18-5	231-791-2 (I)
Rosemary Leaf Extract	<i>Rosmarinus officinalis</i> (Rosemary) Leaf Extract	84604-14-8	283-291-9 (I)
Honey	Honey	8028-66-8	NA
Nettle Leaf Extract	<i>Urtica dioica</i> (Nettle) Leaf Extract	NA	NA
Chamomile Flower Extract	<i>Chamomilla recutita</i> ( <i>Matricaria</i> ) Flower Extract	84082-60-0	282-006-5 (I)
Comfrey Leaf Extract	<i>Symphytum officinale</i> Leaf Extract	84696-05-9	283-625-3(1)
Ethyl Alcohol	Alcohol	64-17-5	200-578-6
Hops Extract	<i>Humulus lupulus</i> (Hops) Extract	8016-25-9, 8060-28-4	232-504-3 (I)
Neutral Henna	<i>Lawsonia inermis</i> (Henna) Flower/Fruit/Leaf Extract	84929-30-6	284-514-2 (I)



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75 Commerce Drive, Hauppauge, NY 11788 Local Tel: (631) 231-5522 Toll Free: (800) 645-5720 Fax: (631) 231-7332 www.bio-botanica.com

## **SAFETY DATA SHEET**

Nutra Plant Complex II #3149 (2 of 5)

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### **Section 4 – First Aid Measures:**

**Inhalation:** No vapors present at normal temperatures. If respiratory irritation occurs, remove individual to fresh air.

**Eye Contact:** Rinse immediately with plenty of water for at least 15 minutes. If irritation persists seek medical advice.

**Skin Contact:** No negative effects expected. Discontinue use of product. Wash thoroughly with soap & water. Apply cold compresses to affected areas to relieve any discomfort. If discomfort persists, contact a physician.

**Ingestion:** Accidental ingestion of large quantities of product may necessitate medical attention, but the product is intended for internal use.

**Other:** When assessing action take Risk & Safety Phrases into account.

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### **Section 5 – Fire Fighting Measures:**

**Flash Point:** Not applicable

**Extinguishing Media:** Use carbon dioxide, dry powder or foam type extinguishers, spraying extinguishing media to base of flames. Do not use direct water jet on burning material. Avoid open flame and excessive temperatures.

**Explosion Hazard:** No applicable information has been found.

**Special Measures:** Keep away from sources of ignition.

**Extinguishing Procedures:** Closed containers may build up pressure when exposed to heat and should be cooled with water spray.

**Fire Fighting Instructions:** Contact emergency personnel. Use self-contained breathing apparatus and full protective gear if large quantities of product are involved. Hazardous decomposition products may be released. Thermal degradation may produce oxides of carbon and/or nitrogen, hydrocarbons and/or derivatives.

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### **Section 6 – Accidental Release Measures:**

**Personal Precautions:** Avoid contact with eyes. Note that spillages, if wet, constitute a slipping hazard. Use individual protective equipment (safety glasses) in case of major spillages.

**Environment Precautions:** Keep away from drains, soils, surface and ground water.

**Clean Up Methods:** Contain spoiled material. Cover with an inert or non-combustible inorganic absorbent material, sweep up and remove to an approved disposal container. Clean with hot water & detergents. Observe state, federal & local disposal regulations.

**For Household Settings:** Absorb liquid and scrub the area with detergent. Dilute with water.

**For Non-Household Settings:** Use safety glasses or safety goggles if splash hazard exists. Use gloves and other protective clothing to prevent skin contact.

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## SAFETY DATA SHEET

Nutra Plant Complex II #3149 (3 of 5)

### Section 7 – Handling & Storage:

**For Household Settings:** No applicable information has been found.

**For Non-household Settings:** No unusual handling or storage requirements. Storage in large quantities (as in warehouses) should be in a well-ventilated, cool area.

**Precautions In Handling:** Apply good manufacturing practices & industrial hygiene practices. Observe state, federal & local disposal regulations.

**Storage Conditions:** Store in tightly closed original container, in a cool & dry area away from heat sources & protected from light. Keep air contact to a minimum.

**Fire Protection:** The product is not flammable.

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### Section 8 – Exposure Controls / Personal Protection:

#### Control Parameters:

Glycerin (56-81-5)		
USA OSHA	OSHA PEL (TWA) (mg/ m <sup>3</sup> )	5 mg/m <sup>3</sup>

**Respiratory Protection:** No special measures under normal conditions.

**Hand Protection:** No special measures under normal conditions.

**Eye Protection:** Use safety glasses if there is a risk of splashing.

**Work/Hygiene Practices:** Wash hands with soap & water after handling.

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### Section 9 - Physical & Chemical Properties:

**Appearance:** Slightly viscous liquid

**Color:** Dark brown, compares to standard

**Odor:** Characteristic, faintly floral aromatic

**pH:** 4.00 – 6.00

**Specific Gravity:** 1.2300-1.2800

**Solubility in water:** Partially soluble in water

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### Section 10 – Stability & Reactivity:

**Reactivity:** No significant reactivity hazards, by itself or in contact with water. Avoid contact with strong acids, alkali or oxidizing agents.

**Stability:** Product is stable.

**Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.

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### Section 11 – Toxicological Information:

No known data

**NTP:** No

**IARC:** No

**OSHA:** No

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## SAFETY DATA SHEET

Nutra Plant Complex II #3149 (4 of 5)

### **Section 12 – Ecological Information:**

The product ingredients are expected to be safe for the environment at concentrations predicted under normal use and accidental spills. Packaging components are compatible with the conventional solid waste management practices. Additional information is available from the supplier upon request.

**Biodegradability:** Readily biodegradable. No known ecological effect.

**Precautions:** Prevent surface contamination of soil, ground & surface waters.

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### **Section 13 – Disposal Considerations:**

Dispose to sanitary drainage systems. Non-Hazardous Industrial Waste, follow applicable local, state & federal regulations

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### **Section 14 – Transport Regulations:**

Consult applicable regulations for transport information.

Road (ADR/RID)	non hazardous; not regulated under US DOT
Air (IATA)	non hazardous
Sea (IMDG)	non hazardous
Chip:	See section 15

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### **Section 15 – Regulatory Information:**

While the finished product is not considered hazardous as defined in 29 CFR 1910.1200 (d), this SDS contains valuable information critical to the safe handling and proper use of the product.

Hazards	n/a
Symbols	n/a
Risk Phrases	n/a
Safety Phrases	S24/25

TSCA:	Compliant
SARA 313 chemicals	None

#### **US Federal**

The product described in this SDS is regulated under the Federal Food, Drug, and Cosmetics Act and is safe to use as per directions on the container, box or accompanying literature (where applicable).

**CERCLA reportable quantity (RQ):** None

**SARA 33/302/304/311/312 chemicals:** None

#### **Canada**

All ingredients are CEPA approved for import to Canada. This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulation (CPR).

# **SAFETY DATA SHEET**

Nutra Plant Complex II #3149 (5 of 5)

## **US States**

### **State Right-To-Know:**

The following ingredients are present in the finished product and are listed on the following state right-to-know lists:

<b>Ingredient</b>	<b>CAS#</b>	<b>Level (%)</b>	<b>State</b>			
Glycerin	56-81-5	45-55	PA	RI	MN	MA
Ethyl Alcohol	64-17-5	<2	PA	RI	NJ	MA

### **Section 16 – Other Information:**

**References:** Not available.

**Other Special Considerations:** Not available.

**DISCLAIMER:** This Safety Data Sheet is intended to provide a brief summary of our knowledge and guidance regarding the use of this material. The information contained here has been compiled from sources considered by Bio-Botanica to be dependable and is accurate to the best of the Company's knowledge as of the date specified in Section 1 of this Safety Data Sheet. It is not meant to be an all-inclusive document on worldwide hazard communication regulations.

This information is offered in good faith. Each user of this material should evaluate the conditions of use and design the appropriate protective mechanisms to prevent employee exposures, property damage or release to the environment. Bio-Botanica assumes no responsibility for injury to the recipient or third persons, or for any damage to any property resulting from misuse of the product.



Botanical Extracts  
Tinctures  
Nutraceuticals  
Cosmetic Intermediates  
Phytochemicals  
Spray Drying  
Product Development



## ALLERGEN STATEMENT

February 9, 2016

**Product: Nutra Plant Complex II**

**Product Code # 3149**

**Bio-Botanica certifies that the allergens listed in Annex III of Cosmetic Regulation (EC) 1223/2009 are not present/present in Nutra Plant Complex II # 3149.**

Allergen	CAS	Yes/No
Amyl cinnamal	122-40-7	No
Benzyl alcohol	100-51-6	No
Cinnamyl alcohol	104-54-1	No
Citral	5392-40-5	No
Eugenol	97-53-0	No
Hydroxycitronellal	107-75-5	No
Isoeugenol	97-54-1	No
Amylcinnamyl alcohol	101-85-9	No
Benzyl salicylate	118-58-1	No
Cinnamal	104-55-2	No
Coumarin	91-64-5	No
Geraniol	106-24-1	<b>Yes (Hops)</b>
Hydroxyisohexyl 3-cyclohexene carboxaldehyde	31906-04-4	No
Anise alcohol	105-13-5	No
Benzyl cinnamate	103-41-3	No
Farnesol	4602-84-0	No
Butylphenyl methylpropional	80-54-6	No
Linalool	78-70-6	<b>Yes (Chamomile, Hops, Rosemary)</b>
Benzyl benzoate	120-51-4	No
Citronellol	106-22-9	No
Hexyl cinnamal	101-86-0	No
Limonene (d-alpha)	5989-27-5	<b>Yes (Chamomile, Hops, Rosemary)</b>
Methyl 2-octynoate	111-12-16	No
Alpha-isomethyl ionone	127-51-5	No
Evernia prunastri (oakmoss) extract	90028-68-5	No
Evernia furfuracea (treemoss) extract	90028-67-4	No

  
**Jamie Rosenberg**  
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Bio-Botanica Inc.



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