

# PRODUCT INFORMATION DATASHEET

## Botanical Dietary Ingredients



| Section 1 - BOTANICAL INGREDIENT IDENTITY AND COMPOSITION |  |
|---|--|
| PRODUCT NAME & CODE:                                      | GLISODIN ® 1 IU/MG POWDER  |
| COMMON or USUAL NAME of BOTANICAL:                        | Superoxide Dismutase/Gliadin Complex   |
| SCOPE of DOCUMENT:  | Sample Document for Presentation Purposes Only   |
| GENERAL PRODUCT INFORMATION:                              | Cucumin melo (melon) extract, standardized to Superoxide Dismutase content, combined with Gliadin. |

| Section 2 - BOTANICAL MANUFACTURING INFORMATION      |  |
|--|--|
| NAME & ADDRESS of MANUFACTURING SITE:                | Isocell Nutra/53 blvd du General Martial Valin, Paris 75015 France |
| RELATIONSHIP to MANUFACTURER:                        | PL Thomas is the exclusive Distributor for North America           |
| AGRICULTURAL PROCESS*:                               | Traditional cultivation of Cucumin melo fruits                     |
| MANUFACTURING PROCESS:                               | Flow chart attached  |
| GMP COMPLIANCE:                                      | GMP Certificate attached   |
| STERILIZATION or FUMIGATION METHOD(S):               | N/A  |
| KNOWN or POTENTIAL IMPURITIES (including solvents) : |  |

\* Include method(s) of cultivation (Ex: sustainably-wildcrafted, or cultivation method), identification, harvest, handling, & post-harvest processing.

| Section 3 - SPECIFICATIONS   |                 |                  |  |                      |           |                 |
|--|-----------------|------------------|--|----------------------|-----------|-----------------|
| INGREDIENT LIST (include excipients):                                |                 |                  |  |                      |           |                 |
| COMMON or USUAL NAME (per current Herbs of Commerce):                | LATIN BINOMIAL: | PLANT PART USED: | ORIGIN*:   | HARVEST AGE/ SEASON: | CAS #:    | WEIGHT PERCENT: |
| Melon SOD (EXTRAMEL ®)   | Cucumis melo    | Fruit            | France   |                      |           | XX%             |
| Gliadin, extracted from wheat (GLIAMINE™)                            |                 | Wheat Protein    | France   |                      | 9007-90-3 | XX%             |
| Maltodextrine, produced by hydrolysis of wheat starch (GLUCIDEX 12W) |                 | Wheat starch     | France   |                      | 9050-36-6 | XX%             |
| CURRENT PRODUCT SPECIFICATION SHEET ATTACHED:                        |                 |                  | Specification sheet attached   |                      |           |                 |
| CONTROL of IMPURITIES & LOT-to-LOT VARIATION:                        |                 |                  | SOD activity is certified each batch according to the validated test method. |                      |           |                 |
| OTHER (including bioassay method if applicable):                     |                 |                  | Assay method available on request  |                      |           |                 |

\* For botanicals specify country-of-origin; for excipients specify source information (synthetic, animal, vegetable, mineral, fermentation, etc.).



## DATA SHEET

**Product name:** GLISODIN® Powder.

**Product form:** Bulk powder.

**Reference number:** ISON.A001.H (Version 5)

**Description:** GLISODIN® is a water dispersible form of Super Oxide Dismutase lyophilized extract from *Cucumis melo* (Melon) that has been combined with Gliadin.

It is spray-dried, using maltodextrin as support, into a white very fine powder easily dispersible and partly soluble in water. All the raw materials are originated from non-genetically modified vegetables.

The Super Oxide Dismutase activity of the product is certified using a specific enzymatic assay, following extraction and gel electrophoresis separation, according to the method previously described by C. Beauchamp and I. Fridovich<sup>1</sup>, and L. W. Oberley and D. R. Spitz<sup>2</sup>. The assayed SOD activity on release is no less than 1.0 IU/mg. The analytical internal procedure has been fully validated according to last available guidelines.

**Storage:** Between 5 and 20°C in a dry place.

**Stability:** 24 months. (Stability testing on commercial batches)

**Package:** Bulk packaging.  
Inner package: double polyethylene 90 µm bags and one dessicant sachet (10x10) between double bags  
Outer package: 34 L white drum made of high density polyethylene,  
Closure: Red plastic cover.  
Net weight: 10 kg/drum.

June, 28<sup>th</sup> of 2004

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<sup>1</sup> C. Beauchamp and I. Fridovitch. Superoxide dismutase: Improved assays and assay applicable to acrylamide gels. *Analytical Biochemistry*, **44**, 1971, p. 276-287.

<sup>2</sup> L. W. Oberley and D. R. Spitz. Assay of superoxide dismutase activity in tumor tissue. In: *Methods in Enzymology*, Anonymous New York: Academic Press, 1984, p. 457-464.

ISOCELL NUTRA



**SPECIFICATIONS  
FOR GLISODIN®1.0 IU/MG POWDER**

Article N° ISON.A001.H

| Test item  | Specifications <sup>i</sup>                                | Reference                              |
|--|--|--|
| 1. Appearance  | White to beige dry powder with a melon characteristic odor | European Pharmacopoeia 5 <sup>th</sup> |
| <b>Tests</b>   |  |  |
| 2. Loss on drying                                    | ≤ 7 %  | European Pharmacopoeia 5 <sup>th</sup> |
| 3. Particle size                                     | 90 % w/w < 200 µm  | Internal monograph                     |
| 4. Ash   | < 0.5 %  | European Pharmacopoeia 5 <sup>th</sup> |
| 5. Carbohydrate                                      | 94 to 98 % on dry  | European Pharmacopoeia 5 <sup>th</sup> |
| 6. Lipids  | < 0.5 % on dry   | European Pharmacopoeia 5 <sup>th</sup> |
| 7. Protein   | 2 to 6 % on dry  | European Pharmacopoeia 5 <sup>th</sup> |
| 8. Heavy metal                                       | < 20 ppm   | European Pharmacopoeia 5 <sup>th</sup> |
| 9. Arsenic   | < 2 ppm  | European Pharmacopoeia 5 <sup>th</sup> |
| <b>Pesticide residues</b>                            |  |  |
| 10. BHC  | < 0.002 ppm  | European Pharmacopoeia 5 <sup>th</sup> |
| 11. DDT  | < 0.002 ppm  | European Pharmacopoeia 5 <sup>th</sup> |
| 12. □-endosulfan                                     | < 0.002 ppm  | European Pharmacopoeia 5 <sup>th</sup> |
| 13. Parathionmethyl                                  | < 0.05 ppm   | European Pharmacopoeia 5 <sup>th</sup> |
| 14. Dichlorvos                                       | < 0.05 ppm   | European Pharmacopoeia 5 <sup>th</sup> |
| <b>Assay</b>   |  |  |
| 15. SOD  | ≥ 1 IU NBT <sup>ii</sup> /mg                               | Internal monograph                     |
| <b>Microbial count</b>                               |  |  |
| 16. Total mesophile flora                            | < 1,000 CFU/g  | European Pharmacopoeia 5 <sup>th</sup> |
| 17. Yeast and Mould                                  | < 100 CFU/g  | European Pharmacopoeia 5 <sup>th</sup> |
| 18. Enterobacteriae and other gram-negative bacteria | < 100 CFU/g  | European Pharmacopoeia 5 <sup>th</sup> |
| 19. E. coli  | Not detected /1g   | European Pharmacopoeia 5 <sup>th</sup> |
| 20. Salmonella                                       | Not detected / 10 g  | European Pharmacopoeia 5 <sup>th</sup> |

**Dr. Anne-Laure CAMARA**  
Director of Development  
And Quality Assurance

April 1<sup>st</sup>, 2004

<sup>i</sup> The given specifications are temporary and will be reviewed after the manufacture of 10 industrial batches.  
<sup>ii</sup> 1 IU NBT corresponds to the melon extract quantity inhibiting 50% of NitroBlue Tetrazolium (NBT) reduction.

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S.A.S au Capital de 40 000 euros - Siège social : 53, boulevard du Général Martial Valin - 75015 Paris - France - N°SIRET : 438 776 304 000 26 - APE : 514 N



**NUTRITIONNAL DATA  
GLISODIN® 1.0 UI/MG OF POWDER**

Article N° ISON.A001.H

We hereby certify that our product does contain (expressed per g of GLISODIN®):

|                    |                   |                     |                  |
|--------------------|-------------------|---------------------|------------------|
| Calories           | 17 kJ or 0.4 kcal | Dietary fiber       | N/A <sup>1</sup> |
| Calories from fat  | 0.1 kJ            | Sugars <sup>2</sup> | 956 mg           |
| Total fat          | 3 mg <sup>3</sup> | Protein             | 41 mg            |
| Saturated fat      | nd <sup>4</sup>   | Vitamin A           | < 0.1 mg         |
| Cholesterol        | N/A               | Vitamin C           | < 0.1 mg         |
| Sodium             | Trace             | Calcium             | Trace            |
| Total carbohydrate | 956 mg            | Iron                | Trace            |

|                   | Yes                                 | No                                  |
|-------------------|-------------------------------------|-------------------------------------|
| Yeast             | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Dairy             | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Egg               | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Gluten            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| Corn              | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Wheat             | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Sugar             | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| Starch            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Salt              | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Bee product       | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Artificial color  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Artificial flavor | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Fragrance         | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |

|  |   |  |
|--|---|--|
| Genetically Modified Organism (GMO's):   | <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No |
| Has your product been tested on animals: | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No            |
| Gelatin or animal source materials:      | <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No |
| Preservatives:                           | <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No |

Paris, August 24<sup>th</sup>, 2005

*[Signature]*

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<sup>1</sup> N/A: not applicable.  
<sup>2</sup> Sugars are composed of maltodextrin essentially.  
<sup>3</sup> Total fat, Total carbohydrate and protein are the means of seven (7) industrial size batches analysis.  
<sup>4</sup> nd: not determined.

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Paris, October 28<sup>th</sup> of 2005

**CERTIFICATE  
OF BSE FREE STATEMENT  
FOR GLISODIN® 1.0 IU/MG OF POWDER.**

I, Dr. Anne-Laure CAMARA, Director of Development and Quality Assurance, hereby certify that GLISODIN® is composed of:

1. Maltodextrine, extracted from wheat (GLUCIDEX 12W supplied by ROQUETTE);
2. Gliadin, extracted from wheat (GLIAMINE™ supplied by HITEX);
3. Melon SOD extract (EXTRAMEL® supplied by BIONOV).

These ingredients are of natural and vegetable origin. These ingredients don't contain animal derivatives.

A handwritten signature in black ink, appearing to read "A. Camara", is written over a horizontal line.

Dr. Anne-Laure CAMARA  
Director of Development  
And Quality Assurance



Paris, April 1<sup>st</sup> 2004

**CERTIFICATE  
OF NATURAL ORIGIN AND  
NON – GMO MATERIAL  
FOR GLISODIN® 1.0 IU/MG OF POWDER.**

I, Dr. Anne-Laure CAMARA, Director of Development and Quality Assurance, hereby certify that GLISODIN® is composed of:

1. Maltodextrine, extracted from wheat (GLUCIDEX 12W supplied by ROQUETTE);
2. Gliadin, extracted from wheat (GLIAMINE™ supplied by HITEX);
3. Melon SOD extract (EXTRAMELO supplied by BIONOV).

These compounds are of natural origin. They are not genetically modified. They do not contain any genetically modified material and are not produced from genetically modified material. They are not treated with gamma rays.

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*Amara*  
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**ISOCELL**  
NUTRA

**MATERIAL-SAFETY-DATA-SHEET**

Article N°: ISON.A001.H

Product : GLISODIN® 1.0 IU/MG POWDER

Version N°: 5

Enactment date: June 28<sup>th</sup> 2004

This document follows 91/155/EEC<sup>1</sup> commission directive of 5 March 1991 defining and laying down the detailed arrangements for the system of specific information related to dangerous preparation or preparation in implementation of Article 10 of directive 88/379/EEC

Note: This new version supersedes version 4 enacted April 1<sup>st</sup> 2004

EXAMINER FORM

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Article: ISON.A001.H  
GLISODIN® 1.0 IU/MG POWDER

|             |  |
|-------------|--|
| <b>01.</b>  | <b>Identification of substances / Product / Manufacturer</b>   |
| <b>01.1</b> | <b>Article N°:</b> ISON.A001.H   |
| <b>01.2</b> | <b>Manufacturer:</b> ISOCELL NUTRA S.A.S.<br>53, boulevard du général Martial Valin<br>75015 PARIS (France)            |
| <b>01.3</b> | <b>Information department:</b> Quality assurance<br>Phone number: 33 + 1 53 98 85 00<br>Fax number: 33 + 1 53 98 85 19 |

|             |  |
|-------------|--|
| <b>02.</b>  | <b>Composition / Information on ingredients</b>  |
| <b>02.1</b> | <b>Composition / Synonym</b><br>SOD (Melon extract), Gliadin (Wheat extract), Maltodextrin.<br>SOD / Gliadin 1.0 IU/mg powder. |
| <b>02.2</b> | <b>Dangerous ingredients</b><br>None.  |

|             |  |
|-------------|--|
| <b>03.</b>  | <b>Hazards identification</b>  |
| <b>03.1</b> | <b>Health hazards</b><br>Contains gluten (wheat extract) which can induce allergy reactions. |
| <b>03.2</b> | <b>Environmental hazards</b><br>None.  |

|             |   |
|-------------|---|
| <b>04.</b>  | <b>First-aid measures</b>   |
| <b>04.1</b> | <b>General instructions</b><br>No special measure required.                             |
| <b>04.2</b> | <b>Inhalation</b><br>Fresh air.   |
| <b>04.3</b> | <b>Skin exposure</b><br>Wash thoroughly with water.                                     |
| <b>04.4</b> | <b>Eye exposure</b><br>Flush with water.  |
| <b>04.5</b> | <b>Ingestion</b><br>Drink water.  |
| <b>04.6</b> | <b>Remark for physician</b><br>Contains gluten (wheat extract), some allergy may occur. |

|             |   |
|-------------|---|
| <b>05.</b>  | <b>Fire fighting measures</b>                                       |
| <b>05.1</b> | <b>Extinguishing media</b><br>Water, foam, carbon dioxide, powder.  |
| <b>05.2</b> | <b>Special exposure hazards</b><br>Not known.                       |
| <b>05.3</b> | <b>Special protective equipment</b><br>No special measure required. |
| <b>05.4</b> | <b>Further remarks</b><br>None.                                     |

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GLISODIN® 1.0 IU/MG POWDER

**06. Accidental release measures**

**06.1 Personal precautions**

Not required.

**06.2 Environmental precautions**

Not required.

**06.3 Disposal / Cleaning**

Wash with warm water.

**06.4 Additional remarks**

None

**07. Handling and storage**

**07.1 Handling**

**07.1.1 Remark for safe handling**

No special measure required.

**07.1.2 Fire and explosion protection**

None.

**07.2 Storage**

**07.2.1 Storage requirements**

Store in double polyethylene bags in closed container with desiccant. Store the containers in a dry place, at a temperature between 5 and 20°C.

**07.2.2 Storage with other products**

No requirement.

**07.2.3 Further remarks to storage conditions**

None.

**07.2.4 Storage classification**

No specific requirement.

**08. Exposure controls / personal protection**

**08.1 General protective and hygienic measures**

Not required.

**08.2 Personal protection**

Breathing equipment: dust mask,

Hands protection: not necessary,

Eye protection: not necessary,

Body protection: working clothes.

**08.3 Additional remarks**

Dust can irritate breathing organs.

**09. Physical and chemical properties**

**09.1 General description**

Form: very fine and hygroscopic powder,

Color: white to beige,

Odor: characteristic melon smell.

**09.2 Physical / chemical properties**

Density: 0.3 kg/dm<sup>3</sup>

Solubility in alcohol: partly soluble

Solubility in water at 20°C: partly soluble

Article: ISON.A001.H  
GLISODIN® 1.0 IU/MG POWDER

- 10. Stability and reactivity**
- 10.1 Thermal decomposition / Conditions to be avoided**  
Exposure to temperature higher than 40°C can irreversibly damage the product. The color turns to yellow and the SOD activity content is totally inactivated.
- 10.2 Dangerous reactions**  
None.
- 10.3 Shelf-life**  
24 months when stored between 5 and 20°C in a dry place in non open commercial packaging.

- 11. Toxicological information**
- 11.1 Acute toxicity<sup>2</sup>**
- |     |                                      |                |
|-----|--------------------------------------|----------------|
| Rat | LD <sub>0</sub> and LD <sub>50</sub> | > 5 000 mg/kg. |
|-----|--------------------------------------|----------------|
- 11.2 Sub-acute toxicity<sup>3</sup>**
- |     |         |                    |
|-----|---------|--------------------|
| Rat | 28 days | > 2 000 mg/kg/day. |
|-----|---------|--------------------|
- 11.3 Mutagenicity<sup>4</sup>**  
AMES (S. typhimurium and E. coli) No mutagenic activity.

- 12. Ecological information**
- 12.1 Persistence and decomposition (elimination)**  
No ecological data known. Due to its composition (natural extracts and excipient), this preparation is expected to be biodegradable.
- 12.2 Bioaccumulation potential**  
No data known.
- 12.3 Ecotoxicity**
- |                            |                |
|----------------------------|----------------|
| Aquatic toxicity:          | No data known, |
| Sewage purification plant: | No data known. |
- 12.4 Further remarks**  
None.

- 13. Disposal considerations**
- 13.1 Appropriate methods of disposal**  
Disposal in accordance with current national, regional or local laws and regulations. Suitable disposable vessels.
- 13.2 Unwashed packing material**  
Clean packing material and recycle or dispose with similar products.
- 13.3 Recommended cleaning agents**  
No specific.

- 14. Transport information**
- 14.1 Precaution**  
Avoid temperature higher than 40°C.
- 14.2 Additional information**  
No "dangerous goods" according to the dangerous goods regulation.

Article: ISON.A001.H  
GLISODIN® 1.0 IU/MG POWDER

**15. Regulatory information**

**15.1.1 Labeling and hazards identification of the product**

The product is not liable to the dangerous goods regulation according to EC-Regulations.

**15.1.2 R-phrases**

None.

**15.1.3 S-phrases**

None.

**15.2 National regulations (France)**

None.

**15.3 Classification**

Not applicable.

**15.4 Working health regulations**

The applicable, European or local laws have to be abided by the user.

**16. Other information**

**16.1 Information**

Information given in this Material-Safety-Data-Sheet represent the most reasonable current opinion on the subject at the time at which this Material-Safety-Data-Sheet was prepared. No warranty, guarantee or representation is made to the correctness or sufficiency of the information. The user of this product must decide what safety measures are necessary to safely use this product and determine the environmental regulatory compliance obligations under any applicable law.

**Written / Checked / Approved**

Dr. Anne-Laure CAMARA

Issued June, 28<sup>th</sup> of 2004.

Signature

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<sup>1</sup> See Official Journal of European Community, N° L076, 22/03/1991, p. 0035 - 0041.

<sup>2</sup> Study compliant with the directive 67/548/EC and OECD Guideline 401 realized by EVIC FRANCE on June 2002, (ref. Ti194).

<sup>3</sup> Study compliant with the directive 96/54/EC and OECD Guideline 407 at EVIC FRANCE from June to August 2002 (ref. Ti195).

<sup>4</sup> Study following B.N. AMES et al (1975), MARON and AMES (1983) and compliant with the directive 2000/32/EC and OECD Guideline 471 performed by EVIC FRANCE on July 2002, (ref. Pi042).



## PRODUCT INFORMATION DATASHEET

### Botanical Dietary Ingredients

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| Section 4 - LABELING INFORMATION                                     |   |
|--|---|
| NUTRITION/SUPPLEMENT FACTS LABELING (including nutritional profile): | Nutritional Profile attached  |
| REQUIRED FINISHED PRODUCT LABEL STATEMENTS:                          | <ol style="list-style-type: none"> <li>1. The GliSODin logo must be prominently displayed on the label</li> <li>2. Recommended labeling for supplement facts: Superoxide Dismutase/Gliadin Complex ...xx IU (SOD activity)</li> <li>3. Additionally, maltodextrin should be included in the "Other Ingredients" section</li> <li>4. Wheat warning – "Caution: Do not take this product if you are allergic to wheat or gluten."</li> <li>5. Patent &amp; Trademark notation: "Isocell SA, France is the owner of US Patent Nos. 6,045,809 and 6,426,068B1 and trademark for GliSODin®"</li> </ol> |
| RECOMMENDED RESTRICTIONS of USE:                                     | "Caution: Do not take this product if you are allergic to wheat or gluten."   |

| Section 5 - REGULATORY INFORMATION                |   |
|---|---|
| PATENT COVERAGE:                                  | US 6,045,809 / US 6,426,068   |
| COMPENDIAL GRADE:                                 |   |
| REGULATORY STATUS (include supporting documents): | Freely sold in USA under DSHEA  |
| PRODUCT MASTER FILE(S):                           | Upon request  |
| BSE/ TSE INFORMATION:                             | BSE statement attached  |
| VEGAN or VEGETARIAN STATUS:                       | Vegetarian product  |
| ALLERGENS/ HYPERSENSITIVITES:                     | Product contains Gliadin – a wheat derivative. See Required Labeling (Section 4). |
| SORBATES and/ or SULFITES:                        | N/A   |
| KOSHER/ HALAL STATUS*:                            | N/A   |
| ORGANIC STATUS*:                                  | N/A   |
| GMO STATUS (for each natural ingredient):         | NON-GMO statement attached  |
| TARIFF CODE for IMPORT or EXPORT:                 | HTS#1302.19.40.40   |

\* Include certifying agency/authority



## PRODUCT INFORMATION DATASHEET

### Botanical Dietary Ingredients

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info@plthomas.com

| Section 6 - MISCELLANEOUS PRODUCT INFORMATION                           |  |
|---|--|
| BATCH/ LOT NUMBERING SYSTEM:  | YEAR / DAY / FACTORY CODE  |
| BATCH DEFINITION:   | 06/254/C274 (06 for 2006 and 254 for the 11 September)   |
| EXPIRATION DATING:  | Shelf life 24 months from date of production   |
| RECOMMENDED STORAGE CONDITIONS:   | Between 5 and 20° C in a dry place in non open commercial packaging  |
| OTHER OPTIONAL INFORMATION:   |  |
| PACKAGE SIZE OPTIONS:   | Net weight: 10kg drum – inner package: double polyethylene 90µm bags and one desiccant sachet (10x10) between double bags. Outer package: 34L white drum made of high density polyethylene. Closure: Red plastic cover.  |
| SUGGESTED PRODUCT CLAIMS (including supporting documentation & dosage): | The following Structure / Function claims have been submitted to FDA: <ul style="list-style-type: none"> <li>- Promotes the production of the body's own, natural antioxidants.</li> <li>- Clinically proven to help maintain cellular health and protect against damage caused by oxidative stress.</li> <li>- Reduces lactic acid build up in humans under physical stress.</li> <li>- Supports Healthy Immune Function.</li> <li>- GliSODin is an antioxidant catalyst.</li> <li>- Supports skin health against photo-oxidative stress</li> </ul> |
| MSDS (attach):  | MSDS attached  |

| Section 7 - REVISIONS |              |                 |   |
|-----------------------|--------------|-----------------|---|
| REVISION DATE:        | 13 September | REVISION LEVEL: | 1 |

| Section 8 - CONTACT INFORMATION |  |        |  |
|---------------------------------|--|--------|--|
| COMPANY NAME:                   | P.L. Thomas & Co., Inc, 119 Headquarters Plaza, Morristown, NJ 07960 |        |  |
| CONTACT NAME:                   | Scott Rosenbush  | TITLE: | Botanical Business Manager                                 |
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