## Section 1 - BOTANICAL INGREDIENT IDENTITY AND COMPOSITION

<table>
<thead>
<tr>
<th>PRODUCT NAME &amp; CODE:</th>
<th>GLISODIN ® 1 IU/MG POWDER</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMMON or USUAL NAME of BOTANICAL:</td>
<td>Superoxide Dismutase/Gliadin Complex</td>
</tr>
<tr>
<td>SCOPE of DOCUMENT:</td>
<td>Sample Document for Presentation Purposes Only</td>
</tr>
<tr>
<td>GENERAL PRODUCT INFORMATION:</td>
<td>Cucumin melo (melon) extract, standardized to Superoxide Dismutase content, combined with Gliadin.</td>
</tr>
</tbody>
</table>

## Section 2 - BOTANICAL MANUFACTURING INFORMATION

<table>
<thead>
<tr>
<th>NAME &amp; ADDRESS of MANUFACTURING SITE:</th>
<th>Isocell Nutra/53 blvd du General Martial Valin, Paris 75015 France</th>
</tr>
</thead>
<tbody>
<tr>
<td>RELATIONSHIP to MANUFACTURER:</td>
<td>PL Thomas is the exclusive Distributor for North America</td>
</tr>
<tr>
<td>AGRICULTURAL PROCESS*:</td>
<td>Traditional cultivation of Cucumin melo fruits</td>
</tr>
<tr>
<td>MANUFACTURING PROCESS:</td>
<td>Flow chart attached</td>
</tr>
<tr>
<td>GMP COMPLIANCE:</td>
<td>GMP Certificate attached</td>
</tr>
<tr>
<td>STERILIZATION or FUMIGATION METHOD(S):</td>
<td>N/A</td>
</tr>
<tr>
<td>KNOWN or POTENTIAL IMPURITIES (including solvents):</td>
<td></td>
</tr>
</tbody>
</table>

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

## Section 3 - SPECIFICATIONS

### INGREDIENT LIST (include excipients):

<table>
<thead>
<tr>
<th>COMMON or USUAL NAME (per current Herbs of Commerce):</th>
<th>LATIN BINOMIAL:</th>
<th>PLANT PART USED:</th>
<th>ORIGIN*:</th>
<th>HARVEST AGE/SEASON:</th>
<th>CAS #:</th>
<th>WEIGHT PERCENT:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Melon SOD (EXTRAMEL ®)</td>
<td>Cucumis melo</td>
<td>Fruit</td>
<td>France</td>
<td>XX%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gliadin, extracted from wheat (GLIAMINE ™)</td>
<td>Wheat Protein</td>
<td>France</td>
<td>9007-90-3</td>
<td>XX%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maltodextrine, produced by hydrolysis of wheat starch (GLUCIDEX 12W)</td>
<td>Wheat starch</td>
<td>France</td>
<td>9050-36-6</td>
<td>XX%</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| 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\(^1\), and L. W. Oberley and D. R. Spitz\(^2\). 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\(^{th}\) of 2004

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

---


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

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

April 1st, 2004

1 The given specifications are temporary and will be reviewed after the manufacture of 10 industrial batches.

2 1 IU NBT corresponds to the melon extract quantity inhibiting 50% of NitroBlue Tetrizolium (NBT) reduction.
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®):

<table>
<thead>
<tr>
<th>Nutrient</th>
<th>Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calories</td>
<td>17 kJ or 0.4 kcal</td>
</tr>
<tr>
<td>Calories from fat</td>
<td>0.1 kJ</td>
</tr>
<tr>
<td>Total fat</td>
<td>3 mg</td>
</tr>
<tr>
<td>Saturated fat</td>
<td>nd</td>
</tr>
<tr>
<td>Cholesterol</td>
<td>N/A</td>
</tr>
<tr>
<td>Sodium</td>
<td>Trace</td>
</tr>
<tr>
<td>Total carbohydrate</td>
<td>956 mg</td>
</tr>
<tr>
<td>Yeast</td>
<td>Yes</td>
</tr>
<tr>
<td>Dairy</td>
<td>No</td>
</tr>
<tr>
<td>Egg</td>
<td>Yes</td>
</tr>
<tr>
<td>Gluten</td>
<td>Yes</td>
</tr>
<tr>
<td>Corn</td>
<td>No</td>
</tr>
<tr>
<td>Wheat</td>
<td>Yes</td>
</tr>
<tr>
<td>Sugar</td>
<td>Yes</td>
</tr>
<tr>
<td>Starch</td>
<td>Yes</td>
</tr>
<tr>
<td>Salt</td>
<td>Yes</td>
</tr>
<tr>
<td>Bee product</td>
<td>No</td>
</tr>
<tr>
<td>Artificial color</td>
<td>Yes</td>
</tr>
<tr>
<td>Artificial flavor</td>
<td>Yes</td>
</tr>
<tr>
<td>Fragrance</td>
<td>Yes</td>
</tr>
</tbody>
</table>

Genetically Modified Organism (GMO's): □ Yes ☑ No
Has your product been tested on animals: ☑ Yes □ No
Gelatin or animal source materials: □ Yes ☑ No
Preservatives: □ Yes ☑ No

Paris, August 24th, 2005

Dr. Anne-Laure Camara
Director of development
And Quality Assurance

ISOCELL NUTRA SAS, 53 boulevard du général Martial Valin 75015 PARIS
Tel. +33(0)1 53 98 85 00, Fax. +33(0)1 53 98 85 19
www.isocell-nutra.com

N/A: not applicable.
Sugars are composed of maltodextrin essentially.
Total fat, Total carbohydrate and protein are the means of seven (7) industrial size batches analysis.
nd: not determined.
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 HITEK);
3. Melon SOD extract (EXTRAMEL™ supplied by BIONOV).

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

[Signature]

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

ISOCELL NUTRA SAS, 53 Boulevard du general Martial Valin, 75015 PARIS, France.
Tel. +33 (0) 1 53 98 85 00, Fax. +33 (0) 1 53 98 85 19
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 HITEK);
3. Melon SOD extract (EXTRAMEL® 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.

ISOCELL NUTRA SAS
53 BOUlevard du GAL N Valin
75015 Paris
01 53 98 85 10
01 53 98 85 18

Dr. Anne-Laure CAMARA
Director of Development and Quality Assurance
MATERIAL-SAFETY-DATA-SHEET

Article N°: ISON.A001.H

Product: GLISODIN® 1.0 IU/MG POWDER

Version N°: 5

Enactment date: June 28th 2004

This document follows 91/155/EEC1 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 1st 2004
01. Identification of substances / Product / Manufacturer
01.1 Article No.: ISOCCELL NUTRA S.A.S.
01.2 Manufacturer: ISOCELL NUTRA S.A.S.
53, boulevard du général Martial Valin
75015 PARIS (France)
01.3 Information department: Quality assurance
Phone number: 33 + 1 53 98 85 00
Fax number: 33 + 1 53 98 85 19

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

03. Hazards identification
03.1 Health hazards
Contains gluten (wheat extract) which can induce allergy reactions.
03.2 Environmental hazards
None.

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

05. Fire fighting measures
05.1 Extinguishing media
Water, foam, carbon dioxide, powder.
05.2 Special exposure hazards
Not known.
05.3 Special protective equipment
No special measure required.
05.4 Further remarks
None.
### 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

### 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.

### 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.

### 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/dm³
   Solubility in alcohol: partly soluble
   Solubility in water at 20°C: partly soluble
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
   Rat LD₅₀ and LD₉₀ > 5 000 mg/kg.
11.2 Sub-acute toxicity
   Rat 28 days > 2 000 mg/kg/day.
11.3 Mutagenicity
   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.
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, 28th of 2004.

Signature

---

2 Study compliant with the directive 67/548/EC and OECD Guideline 401 realized by EVIC
3 Study compliant with the directive 96/54/EC and OECD Guideline 407 at EVIC FRANCE
   from June to August 2002 (ref. Ti195).
4 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
# Section 4 - LABELING INFORMATION

<table>
<thead>
<tr>
<th>NUTRITION/SUPPLEMENT FACTS LABELING (including nutritional profile):</th>
<th>Nutritional Profile attached</th>
</tr>
</thead>
</table>
| REQUIRED FINISHED PRODUCT LABEL STATEMENTS: | 1. The GliSODin logo must be prominently displayed on the label  
2. Recommended labeling for supplement facts: Superoxide Dismutase/Gliadin Complex …xx IU (SOD activity)  
3. Additionally, maltodextrin should be included in the “Other Ingredients” section  
4. Wheat warning – “Caution: Do not take this product if you are allergic to wheat or gluten.”  
5. Patent & Trademark notation: “Isocell SA, France is the owner of US Patent Nos. 6,045,809 and 6,426,068B1 and trademark for GliSODin®” |
| RECOMMENDED RESTRICTIONS of USE: | “Caution: Do not take this product if you are allergic to wheat or gluten.” |

### Section 5 - REGULATORY INFORMATION

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

* Include certifying agency/authority
### Section 6 - MISCELLANEOUS PRODUCT INFORMATION

<table>
<thead>
<tr>
<th>BATCH/ LOT NUMBERING SYSTEM:</th>
<th>YEAR / DAY / FACTORY CODE</th>
</tr>
</thead>
<tbody>
<tr>
<td>BATCH DEFINITION:</td>
<td>06/254/C274 (06 for 2006 and 254 for the 11 September)</td>
</tr>
<tr>
<td>EXPIRATION DATING:</td>
<td>Shelf life 24 months from date of production</td>
</tr>
<tr>
<td>RECOMMENDED STORAGE CONDITIONS:</td>
<td>Between 5 and 20º C in a dry place in non-open commercial packaging</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>OTHER OPTIONAL INFORMATION:</th>
</tr>
</thead>
<tbody>
<tr>
<td>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.</td>
</tr>
<tr>
<td>SUGGESTED PRODUCT CLAIMS (including supporting documentation &amp; dosage): The following Structure / Function claims have been submitted to FDA:</td>
</tr>
<tr>
<td>- Promotes the production of the body’s own, natural antioxidants.</td>
</tr>
<tr>
<td>- Clinically proven to help maintain cellular health and protect against damage caused by oxidative stress.</td>
</tr>
<tr>
<td>- Reduces lactic acid build up in humans under physical stress.</td>
</tr>
<tr>
<td>- Supports Healthy Immune Function.</td>
</tr>
<tr>
<td>- GliSODin is an antioxidant catalyst.</td>
</tr>
<tr>
<td>- Supports skin health against photo-oxidative stress</td>
</tr>
</tbody>
</table>

MSDS (attach): MSDS attached

### Section 7 - REVISIONS

<table>
<thead>
<tr>
<th>REVISION DATE:</th>
<th>13 September</th>
</tr>
</thead>
<tbody>
<tr>
<td>REVISION LEVEL:</td>
<td>1</td>
</tr>
</tbody>
</table>

### Section 8 - CONTACT INFORMATION

<table>
<thead>
<tr>
<th>COMPANY NAME:</th>
<th>P.L. Thomas &amp; Co., Inc, 119 Headquarters Plaza, Morristown, NJ 07960</th>
</tr>
</thead>
<tbody>
<tr>
<td>CONTACT NAME:</td>
<td>Scott Rosenbush</td>
</tr>
<tr>
<td>TITLE:</td>
<td>Botanical Business Manager</td>
</tr>
<tr>
<td>CONTACT PHONE:</td>
<td>973-984-0900 ext 223</td>
</tr>
<tr>
<td>EMAIL:</td>
<td><a href="mailto:scott@plthomas.com">scott@plthomas.com</a></td>
</tr>
</tbody>
</table>