



GINSENG ROOTS

SAFETY DATA SHEET

CDNGINSENGPWD100
VERSION NO. 1

GINSENG ROOTS

Prepared to US OSHA, CMA, ANSI, Canadian WHMIS Standards,
Australian WorkSafe, Japanese Industrial Standard JIS Z
7250:2000, and European Directives

1 PRODUCT AND COMPANY IDENTIFICATION

| | |
|-------------------------------------|---|
| 1.1 Trade Name (as labeled): | Canadian Ginseng Roots |
| Botanical Name: | Panax Quinquefolius |
| INCI Name: | Panax Quinquefolius (Ginseng) |
| Synonyms: | None |
| 1.2 Product Use: | Personal Care Formulations, dietary supplements |
| 1.3 Company Name: | TOTA FARMS |
| Company Address: | 271 East Quarter Townline Road, Burford, ON N0E 1A0, CANADA |
| Business Phone: | (519) 449-3439 |
| Website: | www.totafarms.com |
| Email: | info@totafarms.com |

Date of Current Revision: October 12, 2021

Date of Last Revision: New

2 HAZARD IDENTIFICATION

| | |
|----------------------------|---|
| EMERGENCY OVERVIEW: | This product is a beige root with an earthy odor. |
| Health Hazards: | None expected when used under normal conditions. |
| Flammability Hazards: | This product is considered a Non-Flammable. |
| Reactivity Hazards: | None. |
| Environmental Hazards: | The environmental effects of this product have not been investigated; however, release is not anticipated to cause adverse environmental effects. |
| US DOT Symbols: | Non-Regulated Material |
| CANADA (WHMIS) Symbols: | None |
| EU and GHS Symbols: | None |
| Signal Word: | None |

2.1 EU Labeling and Classification:

This product does not meet the definition of a hazardous substance or preparation as defined by the European Union Council Directives 67/548/EEC, 1999/45/EC, 1272/2008/EC and subsequent Directives.

Components Contributing to Classification: None

2.2 Label Elements:

GHS Hazard Classifications: None
Hazard Statements: None
Precautionary Statements: None
Response Statements: None
Storage Statements: None
Disposal Statements: None

2.3 Health Hazards or Risks from Exposure:

Symptoms of Overexposure by Route of Exposure:

The most significant routes of overexposure for this product are by contact with skin or eyes. The symptoms of overexposure are described in the following paragraphs.

Acute:

- Inhalation:** None expected when used under normal conditions
- Skin Contact:** None expected when used under normal conditions
- Eye Contact:** None expected when used under normal conditions
- Ingestion:** None expected when used under normal conditions

Chronic: No data available

Target Organs:

- Acute: No data available
- Chronic: No data available

3 COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Type of Product: Herbaceous Perennial Plant

| Ingredients: | WT% | HEALTH CANADA PRODUCT ID #: | TOTA FARMS PRODUCT ID #: | Hazard Classification |
|--------------|------|--------------------------------|-----------------------------|--------------------------|
| Ginseng Root | 100% | 80096643 | 0002 | Not Classified |

Note: All WHMIS required information is included in appropriate sections based on the ANSI Z400.1-2010 format. This product has been classified in accordance with the hazard criteria of the CPR and the SDS contains all the information required by the CPR, EU Directives Industrial Standard JIS Z 7250:2000 and the Japanese

4 FIRST AID MEASURES

4.1 Description of First Aid Measures:

- Eye Contact:** If product enters the eyes, flush with plenty of water or eye wash solution for several minutes. Seek medical attention if irritation persists.
- Skin Contact:** Wash skin thoroughly with soap and water after handling. Seek medical attention if irritation develops and persists.
- Inhalation:** If breathing becomes difficult, remove victim to fresh air. If necessary, use artificial respiration to support vital functions. Seek medical attention.
- Ingestion:** This product is food grade. However, if product is swallowed and if you feel unwell, seek medical advice.
- Medical Conditions Generally Aggravated by Exposure:** No data available

4.2 Symptoms and Effects Both Acute and Delayed: Contact with eyes may cause irritation.

4.3 Recommendations to Physicians: Treat symptoms and eliminate overexposure.

5 FIRE FIGHTING MEASURES

5.1 Fire Extinguishing Materials:

- Use the following fire extinguishing materials:
- | | |
|------------------|----------------------|
| Water Spray: Yes | Carbon Dioxide: Yes |
| Foam: Yes | Dry Chemical: Yes |
| Halon: Yes | Other: Any "C" Class |

5.2 Unusual Fire and Explosion Hazards:

Irritating and toxic fumes may be produced at high temperatures. Use of water may result if the formation of a toxic aqueous solution. Do not allow run-off from firefighting to enter drains or water courses. Do not use heavy water stream.

- Explosive Sensitivity to Mechanical Impact: No
- Explosive Sensitivity to Static Discharge: No







Incipient fire responders should wear eye protection.
Structural firefighters must wear Self-Contained Breathing Apparatus

(SCBA) and full protective equipment.

5.3 Special Fire-Fighting Procedures

Isolate materials not yet involved in the fire and protect personnel. If possible, prevent run-off water from entering storm drains, bodies of water, or other environmentally sensitive areas.

NFPA RATING SYSTEM

| NFPA RATING SYSTEM | | | | HMIS RATING SYSTEM HAZARDOUS MATERIAL IDENTIFICATION SYSTEM | | | | | | | | | | | | | | | |
|---|-------------|--|------------|--|--|----------|--|----------------------|--|--|--|------|-------------|-------|------|--|------------|--|------------|
| Flammability | | | | HEALTH HAZARD (BLUE) | | 0 | | | | | | | | | | | | | |
| 0 | | | | FLAMMABILITY HAZARD (RED) | | 0 | | | | | | | | | | | | | |
| Health | 0 | 0 | Reactivity | PHYSICAL HAZARD (YELLOW) | | 0 | | | | | | | | | | | | | |
| - | | | | <table border="1"> <thead> <tr> <th colspan="4">PROTECTIVE EQUIPMENT</th> </tr> <tr> <th>EYES</th> <th>RESPIRATORY</th> <th>HANDS</th> <th>BODY</th> </tr> </thead> <tbody> <tr> <td></td> <td>See Sect 8</td> <td></td> <td>See Sect 8</td> </tr> </tbody> </table> | | | | PROTECTIVE EQUIPMENT | | | | EYES | RESPIRATORY | HANDS | BODY |  | See Sect 8 |  | See Sect 8 |
| PROTECTIVE EQUIPMENT | | | | | | | | | | | | | | | | | | | |
| EYES | RESPIRATORY | HANDS | BODY | | | | | | | | | | | | | | | | |
|  | See Sect 8 |  | See Sect 8 | | | | | | | | | | | | | | | | |
| Other | | | | | | | | | | | | | | | | | | | |
| <p>Hazard Scale: 0 = Minimum 1 = Slight 2 = Moderate 3 = Serious 4 = Severe * = Chronic Hazard</p> | | | | | | | | | | | | | | | | | | | |

6 ACCIDENTAL RELEASE MEASURES (STEPS FOR SPILLS)

6.1 Personal Precautions, Protective Equipment and Emergency Procedures:

Use cautious judgment when cleaning up spill. Wear suitable protective clothing, gloves, and eye/face protection.

6.2 Environmental Precautions:

Construct a dike to prevent spreading. Keep out of sewers, storm drains, surface waters, and soils.

6.3 Spill and Leak Response:

Small Spills:

Collect material via broom or mop. Place in tightly sealed containers for proper disposal.

Approach spill areas with caution.

If liquid was introduced, create a dike or trench to contain material.

Soak up with absorbent material such as clay, sand or other suitable non-reactive material.

Large Spills:

Place in leak-proof containers. Seal tightly for proper disposal.

Dispose of in accordance with Canada, and its Provinces, Federal, State, and local hazardous waste disposal regulations and those of those of Australia, Japan, and EU Member States (see Section 13, Disposal Considerations).

7 HANDLING AND STORAGE

7.1 Precautions for Safe Handling:

To prevent eye contact under the foreseeable conditions of use, wear appropriate safety eyewear. When handling, do not eat, drink, or smoke. Wash thoroughly after handling.

7.2 Storage and Handling Practices:

Keep away from excessive heat.

7.3 Specific Uses:

Comply with the regulations and product data sheet. No specific recommendations. Apply the above handling guidelines.

8 EXPOSURE CONTROL/PERSONAL PROTECTION

8.1 Exposure Parameters:

| <u>Ingredients</u> | <u>CAS No.</u> | <u>OSHA PEL</u> | <u>NIOSH PEL</u> |
|---------------------------|-----------------------|------------------------|-------------------------|
| Ginseng Roots | 84696-12-8 | Not established | Not established |

8.2 Exposure Controls:

Ventilation and Engineering Controls: Use with adequate ventilation to ensure exposure levels are maintained below the limits provided above.

The following information on appropriate Personal Protective Equipment is provided to assist employers in complying with OSHA regulations found in 29 CFR Subpart I (beginning at 1910.132) or equivalent standard of Canada, or standards of EU member states (including EN 149 for respiratory PPE, and EN 166 for face/eye protection), and those of Japan. Please reference applicable regulations and standards for relevant details.

Respiratory Protection: Not required for properly ventilated areas.
Maintain airborne contaminant concentrations below guidelines listed above, if applicable. If necessary, use only respiratory protection authorized in the Canada CSA Standard Z94.4-93, U.S. Federal OSHA Respiratory Protection Standard (29 CFR 1910.134), equivalent U.S. State standards the European Standard EN149, or EU member states.

Eye Protection: Safety glasses or goggles are recommended.
If necessary, refer to U.S. OSHA 29 CFR 1910.133, Canadian Standards, and the European Standard EN166, Australian Standards, or relevant Japanese Standards.

Hand Protection: Chemical resistant gloves are recommended to prevent skin contact.
If necessary, refer to U.S. OSHA 29 CFR 1910.138, the European Standard DIN EN 374, the appropriate Standards of Canada, Australian Standards, or relevant Japanese Standards.

Body Protection: Use body protect appropriate to task being performed.
If necessary, refer to appropriate Standards of Canada, or appropriate Standards of the EU, Australian Standards, or relevant Japanese Standards. If a hazard of injury to the feet exists due to falling objects, rolling objects, where objects may pierce the soles of the feet or where employee's feet may be exposed to electrical hazards, use foot protection, as described in U.S. OSHA 29 CFR 1910.136.

9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on Basic Physical and Chemical Properties:

Appearance (Physical State and Color): This product is a beige powder with no odor.

Odor: No odor

Odor Threshold: Not Available

pH: Not Available

Melting/Freezing Point: Not Available

Boiling Point: Not Available

Flash Point: Not Available

Evaporation Rate: Not Available

Flammability (Solid; Gas): Not Available

Upper/Lower Flammability or Explosion Limits: Not Available

Vapor Pressure (mm Hg @ 25°C (77° F): Not Available

Vapor Density: Not Available

Relative Density: Not Available

Specific Gravity: Not Available

Solubility in Water: Not Available

Weight per Gallon: Not Available

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Partition Coefficient (n-octanol/water): Not Available

Auto-Ignition Temperature: Not Available

Decomposition Temperature: Not Available

Viscosity: Not Available

9.2 Other Information: No additional information currently available.

10 STABILITY AND REACTIVITY

10.1 Reactivity: This product is not reactive.
10.2 Stability: Stable under conditions of normal storage and use.
10.3 Possibility of Hazardous Reactions: None known.
10.4 Conditions to Avoid: Keep away from sparks, flame, and excessive heat.
10.5 Incompatible Substances: None known.
10.6 Hazardous Decomposition Products: None known.

11 TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological Effects:
Toxicity Data: No data available
Suspected Cancer Agent: Ingredients within this product are not found on the following lists: FEDERAL OSHA Z LIST, NTP, IARC, or CAL/OSHA and therefore are not considered to be, nor suspected to be, cancer-causing agents by these agencies.
Irritancy: Skin: Not expected to be an irritant
Eyes: Not expected to be an irritant
Sensitization to the Product: This product is not expected to cause skin sensitization.
Reproductive Toxicity: No specific information is available concerning the effects of this product and its components on the human reproductive system.

12 ECOLOGICAL INFORMATION

12.1 Toxicity: No data available
12.2 Persistence and Degradability: No specific data available on this product.
12.3 Bioaccumulative Potential: No specific data available on this product.
12.4 Mobility in Soil: No specific data available on this product.
12.5 Results of PBT and vPvB Assessment: No specific data available on this product.
12.6 Other Adverse Effects: No data available
12.7 Water Endangerment Class: At present, there are no ecotoxicological assessments for this product.

13 DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods: Waste disposal must be in accordance with appropriate Canada, U.S. Federal, State, and local regulations, those of, Australia, EU Member States and Japan.
13.2 EU Waste Code: Not determined

14 TRANSPORTATION INFORMATION

US DOT, IATA, IMO, ADR:

14.1 U.S. Department of Transportation (DOT) Shipping Regulations:
This product is classified (per 49 CFR 172.101) by the U.S. Department of Transportation, as follows.

UN Identification Number: Non-Regulated Material
Proper Shipping Name: None
Hazard Class Number and Description: None
Packing Group: None
DOT Label(s) Required: None

North American Emergency Response Guidebook

Number: None
RQ Quantity: None

14.2 Environmental Hazards:

Marine Pollutant: The components of this product are not designated by the Department of Transportation to be Marine Pollutants (49 CFR 172.101, Appendix B).

14.3 Special Precaution for User: None

14.4 International Air Transport Association Shipping

Information (IATA): This product is not considered as dangerous goods.

14.5 International Maritime Organization Shipping

Information (IMO): This product is not considered as dangerous goods.

14.6 Transport in Bulk According to Annex II of Marpol

73/78 and IBC Code: European Agreement Concerning the International

Carriage of Dangerous Goods by Road (ADR:)
This product is not considered by the United Nations Economic
Commission for Europe to be dangerous goods.

15 REGULATORY INFORMATION

15.1 Safety, Health and Environmental Regulations Specific for the Substance or Mixture:

United States Regulations:

U.S. SARA Reporting Requirements: The components of this product are subject to the reporting requirements of Sections 302, 304, and 313 of Title III of the Superfund Amendments and Reauthorization Act as follows: None

U.S. SARA Threshold Planning Quantity: There are no specific Threshold Planning Quantities for the components of this product. The default Federal MSDS submission and inventory requirement filing threshold of 10,000 lbs (4,540 kg) therefore applies, per 40 CFR 370.20.

U.S. CERCLA Reportable Quantity:

None

U.S. TSCA Inventory Status: The components of this product are listed on the TSCA Inventory or are exempted from listing.

Other U.S. Federal Regulations:

None known

California Safe Drinking Water and Toxic Enforcement Act (Proposition 65):

This product does not contain ingredients on the Proposition 65 Lists.

15.2 Canadian Regulations:

Canadian DSL/NDSL Inventory Status: Components are DSL Listed, NDSL Listed and/or are exempt from listing

Other Canadian Regulations:

Not applicable

Canadian Environmental Protection Act (CEPA) Priorities Substances Lists:

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.

Canadian WHMIS Classification and Symbols: This product is not considered hazardous per WHMIS Controlled Product Regulations.

15.3 European Economic Community Information:

This product does not meet the definition of a hazardous substance or preparation as defined by the European Union Council Directives 67/548/EEC, 1999/45/EC, 1272/2008/EC and subsequent Directives. See Section 2 for Details.

Chemical Safety Assessment: No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

15.4 Australian Information for Product: Components of this product are listed on the International Chemical Inventory list.

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