

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

- **Product Name:** Maitake Extract Powder (2:1)
- **Other Identifiers:** Grifola frondosa Extract
- **Recommended Use:** Dietary supplement, food ingredient, medicinal purposes, cosmetic and skincare applications.
- **Manufacturer/Supplier Information:**
 - **Name:** UnitedBioScience
 - **Address:** 500 Simmon Dr. Osceola, WI 54020
 - **Phone Number:** +1-651-464-2822
 - **Email Address:** sales@unitedbiosci.com

SECTION 2: HAZARD(S) IDENTIFICATION

- **GHS Classification:**
 - Not classified as hazardous under GHS (Globally Harmonized System).
 - May cause mild skin irritation in sensitive individuals.
- **Label Elements:**
 - **Signal Word:** Warning
 - **Hazard Statements:**
 - May cause skin irritation in sensitive individuals.
 - May cause eye irritation.
 - **Precautionary Statements:**
 - Wash hands thoroughly after handling.
 - If skin irritation occurs: Get medical advice/attention.
 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
 - Wear protective gloves if prolonged exposure is expected.
 - **Pictograms:**
 - Exclamation Mark

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

- **Chemical Name:** Maitake Mushroom Extract
 - **Synonyms:** Grifola frondosa Extract, Hen of the Woods Extract
 - **CAS Number:** 9051-97-2
 - **Concentration:** 5-30% active compounds (depending on extraction method).
 - **Ingredients:**
 - Extract derived from the fruiting body of **Grifola frondosa** (Maitake mushroom).
 - Contains bioactive compounds such as beta-glucans, antioxidants, and polyphenols.
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SECTION 4: FIRST-AID MEASURES

- **General Information:**
 - If symptoms persist or worsen, seek medical attention.
 - **Inhalation:**
 - Inhalation of dust may cause mild respiratory irritation. Move to fresh air if inhaled. Seek medical attention if symptoms persist.
 - **Skin Contact:**
 - Wash affected area with soap and water. If irritation develops, seek medical advice.
 - **Eye Contact:**
 - Rinse immediately with plenty of water for at least 15 minutes. Seek medical attention if irritation persists.
 - **Ingestion:**
 - Not considered harmful in small amounts. If large quantities are ingested, rinse mouth with water and seek medical attention if necessary.
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SECTION 5: FIRE-FIGHTING MEASURES

- **Suitable Extinguishing Media:**
 - Use foam, dry chemical, or carbon dioxide (CO₂).
- **Unsuitable Extinguishing Media:**
 - Water jet may spread fire.
- **Special Hazards Arising from the Chemical:**
 - In case of fire, may release carbon monoxide, carbon dioxide, and other harmful fumes.
- **Protective Equipment for Fire-Fighters:**

- Wear self-contained breathing apparatus (SCBA) and full protective gear.
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SECTION 6: ACCIDENTAL RELEASE MEASURES

- **Personal Precautions:**
 - Wear protective gloves and goggles. Avoid inhalation of dust or mist. Ensure proper ventilation in the area.
 - **Environmental Precautions:**
 - Prevent the material from entering drains or watercourses.
 - **Methods for Clean-Up:**
 - Absorb liquid with inert absorbent material (e.g., sand, earth, or vermiculite).
 - Clean area with water. Dispose of the material in accordance with local regulations.
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SECTION 7: HANDLING AND STORAGE

- **Precautions for Safe Handling:**
 - Use in well-ventilated areas. Avoid inhaling dust or mist. Avoid contact with eyes, skin, and clothing.
 - Wash hands thoroughly after handling.
 - **Conditions for Safe Storage:**
 - Store in a cool, dry place, away from direct sunlight and sources of heat.
 - Keep container tightly closed when not in use.
 - Store in a moisture-free environment to preserve the quality of the extract.
 - **Incompatibilities:**
 - No known incompatibilities.
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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- **Occupational Exposure Limits:**
 - No specific exposure limits established for Maitake Mushroom Extract.
- **Engineering Controls:**
 - Ensure adequate ventilation when working with large quantities of extract. Use local exhaust ventilation if necessary to avoid inhaling dust or mist.

- **Personal Protective Equipment (PPE):**
 - **Respiratory Protection:** If mist or dust is generated, use a dust mask or respirator rated for particulates (e.g., N95).
 - **Skin Protection:** Wear gloves made of nitrile or other suitable material to avoid prolonged skin contact.
 - **Eye Protection:** Wear safety goggles or glasses if there is a risk of splashing or mist exposure.
 - **Other Protection:** None required for normal use.
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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

- **Appearance:** Dark brown to reddish-brown viscous liquid or powder (depending on form)
 - **Odor:** Characteristic earthy, mushroom-like odor
 - **Odor Threshold:** Not available
 - **pH:** 5.5 - 7.5 (liquid form)
 - **Boiling Point:** Not available
 - **Melting Point:** Not applicable
 - **Flash Point:** >100°C
 - **Solubility in Water:** Soluble in water
 - **Vapor Pressure:** Not available
 - **Vapor Density:** Not available
 - **Specific Gravity:** 1.1 - 1.3 (liquid form)
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SECTION 10: STABILITY AND REACTIVITY

- **Reactivity:**
 - Stable under normal conditions of use and storage.
- **Chemical Stability:**
 - Stable under recommended storage conditions.
- **Conditions to Avoid:**
 - Keep away from heat, sparks, open flames, and sources of ignition.
- **Incompatible Materials:**
 - Strong oxidizing agents.
- **Hazardous Decomposition Products:**
 - In the event of fire, may release carbon monoxide, carbon dioxide, and other harmful fumes.

SECTION 11: TOXICOLOGICAL INFORMATION

- **Acute Toxicity:**
 - **Oral:** Low toxicity based on available data.
 - **Dermal:** Not classified as harmful via dermal exposure.
 - **Inhalation:** Inhalation of dust or mist may cause mild respiratory irritation.
- **Skin Corrosion/Irritation:**
 - May cause mild skin irritation in sensitive individuals.
- **Serious Eye Damage/Irritation:**
 - Causes mild eye irritation.
- **Respiratory or Skin Sensitization:**
 - Not expected to be a sensitizer based on available data.
- **Carcinogenicity:**
 - Not classified as a carcinogen by OSHA, IARC, or NTP.
- **Reproductive Toxicity:**
 - No known reproductive effects.
- **Germ Cell Mutagenicity:**
 - Not mutagenic based on available data.
- **STOT (Specific Target Organ Toxicity):**
 - No known target organ toxicity.

SECTION 12: ECOLOGICAL INFORMATION

- **Ecotoxicity:**
 - Expected to have low toxicity to aquatic organisms.
- **Persistence and Degradability:**
 - Likely biodegradable in natural environments.
- **Bioaccumulative Potential:**
 - Low bioaccumulation potential.
- **Mobility in Soil:**
 - Soluble in water, low mobility in soil.
- **Other Adverse Effects:**
 - No significant adverse environmental effects expected.

SECTION 13: DISPOSAL CONSIDERATIONS



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- **Waste Disposal Methods:**
 - Dispose of in accordance with local, state, and federal regulations.
 - Dispose of as non-hazardous waste unless regulations require otherwise.
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SECTION 14: TRANSPORT INFORMATION

- **UN Number:** Not applicable
 - **Proper Shipping Name:** Not regulated
 - **Transport Hazard Class:** Not regulated
 - **Packing Group:** Not applicable
 - **Environmental Hazards:** Not considered a marine pollutant.
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SECTION 15: REGULATORY INFORMATION

- **OSHA Hazard Communication Standard (HCS):** Not classified as hazardous.
 - **TSCA (Toxic Substances Control Act):** Listed
 - **REACH:** Registered (if applicable)
 - **SARA 313:** Not listed
 - **California Proposition 65:** Not listed
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SECTION 16: OTHER INFORMATION

- **SDS Revision Date:** 06/01/2024
 - **Prepared By:** UNITEDBIOSCIENCE
 - **Disclaimer:** This SDS is provided for informational purposes only and is not legally binding. Users should determine suitability for their specific application.
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