

Material Safety Data Sheet

MycoLogic Inc.

Chontrol Peat Paste

Section 1. Product Identification

Product name: Chontrol Peat Paste

Product use: A biological herbicide for the inhibition of resprouting and regrowth from cut stumps of alders (red and sitka) in rights-of way and forest vegetation management. For commercial use only.

Effective date/last updated: 23/04/2014

Product supplier: MycoLogic Inc., c/o IDC, University of Victoria, Victoria, BC Canada V8W 2Y2
(250) 721-7104. Paul@Mycollogic.ca

Registered pesticide product numbers: Canada-PMRA Reg. No. 29293,
US-EPA Reg. No. XXXXX-X and US-EPA Establishment No. XXXXX-CAN-001

Section 2. Composition / Information on Ingredients

Active Ingredient <i>Chondrostereum purpureum</i> isolate PFC2139*	0.67%
Inert ingredients	99.33%
Total	100.00%

*Contains a minimum of 1×10^2 colony forming units per gram

Section 3. Hazards Identification

Precautionary statement: Hazardous to humans and domestic animals. No ingredients are considered toxic, pathogenic, or infectious.

Caution: Direct contact may cause moderate eye and skin irritation. Potentially harmful if inhaled. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling.

Section 4. First Aid Measures

Eye contact:

- Hold eye open and rinse slowly and gently with water for 15-20 minutes.
- Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
- Contact a poison control center or doctor for treatment advice

Skin or clothing contact:

- Remove contaminated clothing.
- Rinse skin immediately with plenty of water for 15-20 minutes.
- Contact a poison control center or doctor for treatment advice.

Ingestion or inhalation:

- If ingested or inhaled, contact a poison control center or doctor for treatment advice.

Important: Have the product container or label with you when contacting a doctor.

Section 5. Fire Fighting Measures

Fire Hazard: Not flammable

Flash point: Not applicable

Extinguishing media: Carbon dioxide, dry chemical powder, or water spray.

Unusual fire and explosion hazard: None known.

Special fire fighting procedures: No special procedures required

Hazardous decomposition products: None known

Section 6. Accidental Release Measures

Ventilate area of the leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Leaking containers may be placed in a plastic bag, and normal disposal procedures followed, as outlined in Section 13. Contain and take up spilled material with sand or other non-combustible absorbent material and place in an appropriate container for later disposal, as outlined in Section 13.

Section 7. Handling and Storage

Handling: This product should only be used by persons trained in the safe handling of pesticide products. See product label for directions concerning product use.

Pesticide Storage: Store in a refrigerator at 38°F to 45°F (4 to 8 °C). Entire contents of the bottle must be used on the same day after opening. Use Chontrol Peat Paste before the expiry date. Do not contaminate water, food, or feed by storage or disposal.

Section 8. Exposure Controls / Personal Protection

Read product label before use

Keep out of reach of children

Personal Protective Equipment (PPE): Applicators and other handlers must wear:

- Long sleeved shirts and long pants
- Waterproof gloves
- Shoes plus socks.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

User safety recommendations: Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Users should remove PPE immediately after handling this product. As soon as possible, wash thoroughly and change into clean clothing. Users should remove PPE immediately if pesticide gets inside then wash thoroughly and put on clean clothing.

Agricultural use requirements: Use this product only in accordance with its labeling and with the Worker Protection Standard, 40CFR Part 170, as described on the product label.

Section 9. Physical and Chemical Properties

Appearance: Grey-brown paste

Odor: Slightly mushroom

Melting point: Not applicable

Boiling point: Not applicable

Freezing point: -4°C

pH (as is): Not applicable

pH (in solution): 5-8 (as 10% w/v suspension)

Specific gravity: 1.1 g/mL

Water solubility: Water dispersible

Fat solubility: Not available

Flash point: Not applicable

Flammable limit: None known

Auto-ignition temperature: Not known

Explosive properties: Not applicable

Oxidizing properties: Not applicable

Partition coefficient: Not applicable

Vapor pressure: Not applicable

Vapor density: Not applicable

Volatile by volume: Not applicable

Evaporation rate: Not applicable

Section 10. Stability and Reactivity

Stability: Stable

Reactivity: Incompatible with pesticides, organic solvents, strong oxidizers and reducers, and strong acids and bases.

Hazardous decomposition products: None known.

Hazardous effects of polymerization: None known

Section 11. Toxicological Information

Eye contact: Classified as non-irritant

Skin contact: May cause skin irritation

Skin absorption: LD₅₀ greater than 2g/kg in adult rabbits (registered EP, PMRA reg. no. 27823)

Inhalation: LC₅₀ is not available

Ingestion: Oral LD₅₀ is not available

Sensitization: This product may rarely cause an allergic skin response.

Chronic effects: None identified

Cancer: None identified

Birth defects: None

Reproductive effects: None

Mutagenicity: None

Section 12. Ecological Information

Environmental effects: The active ingredient *Chondrostereum purpureum* is a naturally occurring microorganism found in forest ecosystems. This fungus is a plant parasite that can colonize fresh cut tree stumps in temperate forests to prevent resprouting.

There is minimal or negligible potential hazard to humans and non-target organisms (plants, insects, aquatic freshwater, estuarine and marine animals and wildlife), and to ground and surface water contamination through the use of this product according to label instructions.

Environmental hazards: Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean water high-water mark. Do not contaminate water by cleaning of equipment or disposal of equipment wash waters.

Environmental Fate:

- **Terrestrial animals:** May cause skin irritation
- **Fish:** Not available. Not a likely hazard.
- **Birds:** Not available. Not a likely hazard.
- **Bees:** Not available. Not a likely hazard.
- **Aquatic and terrestrial invertebrates:** Not available. Not a likely hazard.

Section 13. Disposal Considerations

Pesticide disposal: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Container disposal: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by provincial/state and local authorities, by burning. If burned, stay out of smoke. Observe all applicable federal, state, provincial and local environmental regulations concerning disposal.

Section 14. Transport Information

Proper shipping class: Agricultural chemicals. NOI solid.

Not regulated by TDG in Canada. This product is not classified as a dangerous good in Canada

Section 15. Regulatory Information

Chontrol Peat Paste is a biological herbicide registered under the Pest Control Products Act (PCP No: 29293) in Canada.

Section 16. Other Information

The above information is believed to be correct at the time of publication. This data should be used only as a guide in handling this material. Consult the product label for information concerning proper product use. MycoLogic, Inc., shall not be held liable for any damage resulting from handling or from contact with the above product.

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