



Climatizer Hydroseeding Mulch Safety Data Sheet

Canadian Regulation SOR/88-66, SOR/2016-177
OSHA Regulation 29 CFR 1910.1200

SECTION 1: IDENTIFICATION

Product Identifier: Hydroseeding Mulch Additive
Product Name: CLIMATIZER Hydroseeding Mulch
Synonyms: Mulch, Hydroseeding
Description: Paper fibres treated non-toxic colorant for visibility on application
Recommended Use: Cellulose additive for hydroseeding application
Manufacturer: Climatizer Insulation: 120 Claireville Drive, Etobicoke, ON M9W5Y3
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SECTION 2: HAZARD IDENTIFICATION

This product is not considered hazardous under the criteria of the following agencies: Canadian Regulation SOR/88-66; Federal OSHA Hazard Communication Standard 29CFR 1910.1200; and European Regulations (EC) No. 1907/2006 and No. 1272/2008 and the European Council Directives 67/548/EEC and 1999/45/EC

Hazard Classification: None
Hazard Pictogram: None
Signal Word: None
Hazard Statements: None
Precautionary Statements: None
Other Hazards Which Do Not Result In Classification: None

SECTION 3: COMPOSITION AND INFORMATION ON HAZARDOUS INGREDIENTS

Component	CAS#	% BY WEIGHT	EXPOSURE LIMIT TLV-	EXPOSURE LIMIT TLV-
Cellulose fibres (recycled paperstock) $C_6H_{10}O_3$	#65996-61-4	≤ 87%	10MG/M ³ total dust 5 mg/m ³ respirable fraction	Not established
Tex Green Malachite Free Liq	N/A	≤ 0.06%	No information available	No information available

SECTION 4: FIRST AID MEASURES

Eye Contact: For severe dust exposure, flush eyes with warm water for 15 minutes. If irritation persists, seek medical attention.
Skin Contact: If broken skin is exposed, wash with soap and water. If irritation persists, seek medical attention.
Inhalation: No special treatment as product is not likely to be hazardous by inhalation. Prolonged exposure to dust levels in excess of regulatory limit should be avoided. If irritation persists, seek medical attention.
Ingestion: If ingestion occurs, give two glasses of water to drink and consult a physician.

SECTION 5: FIRE-FIGHTING MEASURES

Flammability: Not flammable
Special Hazards: None
Flash Point: N/A
Auto-Ignition Temp: 270°C (dry)
Fire Fighting Instructions: Use standard procedures with full PPE
Suitable Extinguishing Media: Any available media rated for wood fire. Use Type A rated extinguisher
Unsuitable Extinguishing Media: None
Explosion Data: No sensitivity to mechanical charge. No sensitivity to static charge
Combustion Products: Products of combustion may include but not limited to oxides of carbon





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SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Nuisance dust; wear dust mask if respiratory sensitivities or illness pre-exist.
Emergency Procedures:	N/A
Environmental Precautions:	Climatizer Hydroseeding Mulch is biodegradable and will not cause damage to vegetation via root absorption. This product will not cause localized contamination of surrounding waters and poses no known hazard to aquatic life.
Clean up Procedures:	(Land spill) Sweep, shovel and/vacuum released material and place in containers for disposal in accordance with applicable regulations. No PPE is needed to clean up land spills. (Water spill) This product will not cause contamination of surrounding waters. There is no known damage at high concentrations to local vegetation, fish, or aquatic life. It is meant to be used with other compatible revegetation products.

SECTION 7: HANDLING AND STORAGE

Handling:	Avoid contact with skin and eyes. Avoid breathing dust. Do not swallow. Handle and open package with care. Good housekeeping practices are recommended. When using, do not eat, drink, or smoke. Launder contaminated clothing before reuse. Hand washing before eating or drinking recommended.
Storage:	Covered indoor storage is recommended (ambient temperature and pressure). Do not store near open flame or temperatures above 82°C (180°F). Keep out of reach of children.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Permissible Exposure Limits: OSHA PEL-TWA = 10mg/m ³ total dust (PNOC) OSHA PEL-TWA = 5mg/m ³ respirable fraction	Threshold Limit Values: ACGIH TLV-TWA = 25mg/m ³ respirable fraction
Engineering Controls:	No specific controls.
Personal Protective Measures:	Standard PPE recommended.
Respiratory Protection:	NIOSH approved respirator N-95 when dust levels exceed exposure limits.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Solid	Water Solubility:	Insoluble, Dispersible
Appearance:	Green-fibrous	Boiling Point:	Not Established
Odour:	Low to no odour	Flash Point:	N/A
Explosive Limits:	None	Evaporation Rate:	N/A
Vapour Pressure:	N/A	Flammability (Solid, gas):	N/A
Odour Threshold:	N/A	Partition Coefficient:	Not established
Vapour Density:	N/A	Auto-Ignition Temperature:	>250°F
pH:	7.0 ± 0.5	Decomposition Temperature:	Not established
Fibrous Medium:	Greater than 98%	Green Liquid:	Less than 1%





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SECTION 10: STABILITY AND REACTIVITY

Stability of Product:	Stable under normal storage conditions
Conditions of reactivity:	No dangerous reaction known under conditions of normal use.
Hazardous decomposition products:	May include but not limited to oxides of carbon.
Incompatibility:	Chlorates, Nitrates, Strong Oxidizers, and reducing agents.
Hazardous Polymerization:	Will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Toxicity:	This product is considered to exhibit low acute toxicity.
Chronic Toxicity:	No known chronic effects have been associated with this product. Carcinogenicity: This product is not considered to be a potential carcinogenic by OSHA, ACGIH, NTP, or IARC. Mutagenicity: No information found

TOXICOLOGICAL DATA:

Cellulose:	Tex Green Malachite Free Liq:
LC ₅₀ (Inhalation, rat): >5.8 mg/L	No Data available
LD ₅₀ (oral, rat): >5000 mg/kg of body weight	
LD ₅₀ (dermal rabbit): >2000 mg/kg of body weight	

TOXICOLOGICAL EFFECTS ON FOLLOWING ROUTES OF EXPOSURE:

Skin Contact:	Non-irritant. No effect on intact skin.
Eye Contact:	Non-irritant in normal conditions; prolonged exposure may cause irritation.
Inhalation:	Possible irritant. May irritate nose, throat and lungs.
Ingestion:	Not intended for consumption: ingestion of small amount is not likely to cause harm; larger quantities may cause gastrointestinal discomfort but will pass through body system.

SECTION 12: ECOLOGICAL INFORMATION

Ecological Toxicity:	The inherent design of Climatizer Hydroseeding Mulch cellulose additive is for use in revegetation and is not harmful to ecological systems. This product has no known eco-toxicological effects
Biodegradation:	Fully biodegradable.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste disposal: As a non-hazardous waste, dispose of in accordance with applicable regulations for waste refuse disposal. Small quantities can usually be disposed of at Municipal Landfill sites. Tonnage quantities should not be landfilled but, if possible, re-used for an appropriate application.
RCRA hazard Class (US): this product is not listed as a hazardous waste under any sections of the Resource Conservation and Recovery Act
California Hazardous Waste Designation: California identifies substances with acute LD₅₀'s less than 5000mg/kg as "hazardous wastes." This product is therefore NOT a "hazardous waste" by this definition if spilled in California. Refer to Regulatory information for additional information.





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SECTION 14: TRANSPORT INFORMATION

DOT Hazardous Material Classification (CAN): This product is not classified as a Canadian Department of Transport Dangerous Good.
DOT Hazardous Material Classification (US): This product is not classified as a US Department of Transport Hazardous Material.
DOT Hazardous Substance Classification (US): This product is not a US Department of Transport Hazardous Substance
International Transportation: This product has no U.N.#, and is not regulated under international rail, highway, marine or air transport regulations.

SECTION 15: REGULATORY INFORMATION

This product has been classified in accordance with the hazard criteria of the Canadian Hazardous Products Act (HPA) and the Controlled Products Regulations (CPR) and complies with Canadian Regulation SOR/88-66.
This product complies with OSHA Regulation 29 CFR.1910.1200.
This product is not listed on any California Proposition 65 lists of carcinogens or reproductive toxicants.
This product complies with European Regulations (EC) No. 1907/2006 and No. 1272/2008 and the European Council Directives 67/548/EEC and 1999/45/EC.
Not listed on the International Agency for Research on Cancer (IARC) as a carcinogen.

SECTION 16: OTHER INFORMATION

GLOSSARY

ACGIH:	American Conference of Governmental Industrial Hygienists (USA)	ASTM:	American Society for Testing and Materials (USA)
CAS:	Chemical Abstract Services	DOT:	Department of Transport
IARC:	International Agency for Research on Cancer	LD₅₀/LC₅₀:	Less high lethal dose and lethal concentration published
NTP:	National Toxicology Program (USA)	OSHA:	Occupational Safety & Health Administration (USA)
RCRA:	Resource Conservation and Recovery Act (USA)	SOR:	Statutory Orders and Regulations (Canada)
TLV-TWA:	Threshold Limit Value –Time Weighted Average	TDG:	Transportation of Dangerous goods (Canada)

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