





# Climatizer Hydroseeding Mulch

## Safety Data Sheet

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

### SECTION 6: ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions:</b>	Nuisance dust; wear dust mask if respiratory sensitivities or illness pre-exist.
<b>Emergency Procedures:</b>	N/A
<b>Environmental Precautions:</b>	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.
<b>Clean up Procedures:</b>	<b>(Land spill)</b> 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. <b>(Water spill)</b> This product will not cause contamination of surrounding waters. There is no known damage at high concentrations to local vegetation, fish, or

### SECTION 7: HANDLING AND STORAGE

<b>Handling:</b>	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.
<b>Storage:</b>	Covered indoor storage is recommended (ambient temperature and pressure). Do not store near open flame or temperatures above 82°C

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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





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### SECTION 10: STABILITY AND REACTIVITY

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

### SECTION 11: TOXICOLOGICAL INFORMATION

<b>Acute Toxicity:</b>	This product is considered to exhibit low acute toxicity.
<b>Chronic Toxicity:</b>	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:

<b>Cellulose:</b>	<b>Sorazine Green MC 225%:</b>
LC <sub>50</sub> (Inhalation, rat): >5.8 mg/L	LD <sub>50</sub> (oral, rat): >6670 mg/kg of body weight
LD <sub>50</sub> (oral, rat): >5000 mg/kg of body weight	
LD <sub>50</sub> (dermal rabbit): >2000 mg/kg of body weight	

#### TOXICOLOGICAL EFFECTS ON FOLLOWING ROUTES OF EXPOSURE:

<b>Skin Contact:</b>	Non-irritant. No effect on intact skin.
<b>Eye Contact:</b>	Non-irritant in normal conditions; prolonged exposure may cause irritation.
<b>Inhalation:</b>	Possible irritant. May irritate nose, throat and lungs.
<b>Ingestion:</b>	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

<b>Ecological Toxicity:</b>	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
<b>Biodegradation:</b>	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 LD<sub>50</sub>'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

<b>ACGIH:</b>	American Conference of Governmental Industrial Hygienists (USA)	<b>ASTM:</b>	American Society for Testing and Materials (USA)
<b>CAS:</b>	Chemical Abstract Services	<b>DOT:</b>	Department of Transport
<b>IARC:</b>	International Agency for Research on Cancer	<b>LD<sub>50</sub>/LC<sub>50</sub>:</b>	Less high lethal dose and lethal concentration published
<b>NTP:</b>	National Toxicology Program (USA)	<b>OSHA:</b>	Occupational Safety & Health Administration (USA)
<b>RCRA:</b>	Resource Conservation and Recovery Act (USA)	<b>SOR:</b>	Statutory Orders and Regulations (Canada)
<b>TLV-TWA:</b>	Threshold Limit Value –Time Weighted Average	<b>TDG:</b>	Transportation of Dangerous goods (Canada)

<b>Prepared By:</b>	Climatizer Insulation
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