



## MSDS - Sarritor Granular Biological Herbicide (Commercial)

### Section 1: Product Identification

<b>Manufacturer's Name</b>		<b>Supplier's Name</b>	
Sylvan Bioproducts		4260864 Canada Inc.	
<b>Street Address</b>		<b>Street Address</b>	
198 Nolte Drive		104 Rhapsodie	
<b>City</b>	<b>State</b>	<b>City</b>	<b>Province</b>
Kittanning	PA	NDIP	QC
<b>Zip Code</b>	<b>Emergency Tel:</b>	<b>Postal Code</b>	<b>Emergency Tel:</b>
16201	724-543-3948	J7V 8P1	(514) 220-7142
<b>Chemical Name</b>		<b>Chemical Family</b>	<b>Chemical Formula</b>
<i>Sclerotinia minor</i> strain IMI 344141		N/A	N/A
<b>Product Use</b>			
Naturally occurring weed control for dandelions, clover, and plantain in turf			

### Section 2: Hazardous Ingredients

There are no hazardous ingredients in the Sarritor Granular Biological Herbicide.

### Section 3: Physical Data

<b>Physical State</b>	<b>Odour and Appearance</b>		<b>Odour Threshold</b>
Solid at room temperature	Odourless to faintly sour beige dry granular		Not available
<b>Vapour Pressure</b>	<b>Vapour Density</b>		<b>Evaporation Rate</b>
Not applicable	Not applicable		Not applicable
<b>Boiling Point</b>	<b>Freezing Point</b>		<b>Critical Temperature</b>
Not applicable	Not applicable		Not applicable
<b>PH</b>	<b>Specific Gravity</b>	<b>Solubility in Water</b>	<b>Coeff of Water/Oil Distr.</b>
4.7	1.03 g/ml	Not applicable	Not applicable

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### Section 4: Fire and Explosion Data

<b>Flammability</b>	
Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Sarritor Granular Biological Herbicide is non flammable	
<b>Means of Extinction</b>	
Use extinguishing media appropriate for surrounding fire.	
<b>Special Procedures</b>	
Not applicable	
<b>Flashpoint and Method</b>	<b>Auto Ignition Temperature</b>
Non flammable	Not applicable
<b>Upper Explosion Limit (% by volume)</b>	<b>Lower Explosion Limit (% by volume)</b>
Not applicable	Not applicable
<b>Hazardous Combustion Products</b>	
None	
<b>Sensitivity to Impact</b>	<b>Sensitivity to Static Discharge</b>
Not sensitive	Not sensitive

### Section 5: Reactivity Data

<b>Chemical Stability – (if no, under which conditions?)</b>
Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Product does not degrade
<b>Incompatibility with other substances</b>
None
<b>Reactivity, and under what conditions?</b>
None
<b>Hazardous Decomposition Products</b>
None

### Section 6: Toxicological Properties (Health Hazard Information)

<b>Route of entry</b>		
Ingestion <input checked="" type="checkbox"/>	Skin Absorption <input type="checkbox"/>	Eye Contact <input checked="" type="checkbox"/>
Inhalation Acute <input checked="" type="checkbox"/>	Inhalation Chronic <input type="checkbox"/>	Skin Contact <input checked="" type="checkbox"/>
<b>Effects of Acute Exposure to Material</b>		
SOLID: Dust may have toxic effect if inhaled		
<b>Effects of Chronic Exposure to Material</b>		
None		
<b>Lethal Dose/Concentration (Specify Species and Route)</b>		
Oral LD <sub>50</sub> > 5.4 x 10 <sup>7</sup> Colony Forming Units (CFUs)/kg of body weight (rats)		
<b>Irritancy</b>		<b>Synergistic Material</b>
Non-irritating to mildly irritating		Not applicable
<b>Exposure Limits</b>		
TWA – Not applicable	STEL – Not applicable	IDLH – Not applicable
<b>Sensitizing Capability</b>	<b>Carcinogenicity</b>	<b>Reproductive Effects</b>
May cause sensitizing	None	None

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## Section 7: Preventive Measures

<b>Personal Protective Equipment</b>
Loaders: Wear a long sleeved shirt, long pants, shoes plus socks, waterproof gloves and a dust/mist filtering respirator/mask (MSH/NIOSH approval number prefix TC-21) or NIOSH approved respirator with any N-95, R-95, P-95 or HE filter for biological products when loading the product and during clean-up/repair activities. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.  Applicators: Wear a long sleeved shirt, long pants, shoes plus socks, when applying this product. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.
<b>Engineering Controls (Specify: e.g. Ventilation, Enclosed Processes)</b>
None
<b>Leak and Spill Procedures</b>
Contact the manufacturer and the provincial regulatory agency in case of a spill and for clean-up of spills.
<b>Handling Procedures and Equipment</b>
Do not breathe dust. Wash thoroughly with soap and water after handling.
<b>Storage Requirements</b>
Keep refrigerated (4C). Store no longer than 7 months from the date of manufacture. OR Store in a cool place (up to 20C). Store no longer than 3 months from the date of manufacture.
<b>Special Shipping Information</b>
Keep refrigerated (4C)

## Section 8: First Aid Measures

<b>Get medical attention if irritation or signs of toxicity occur and persist or are severe.</b>
SWALLOWED: Rinse mouth and throat with plenty of water.  SKIN/CLOTHING: Take off contaminated clothing. Wash exposed skin with plenty of soap and water.  INHALATION: Move to fresh air.  EYE: Hold eye open and rinse slowly and gently with water. Remove contact lenses, if present, then continue rinsing eye.

## Section 9: Preparation Data

<b>Prepared by</b>	
Jeff Watson (4260864 Canada Inc.)	
<b>Date</b>	<b>Phone Number</b>
January 25, 2010	(514) 220 7142