

# MATERIAL SAFETY DATA SHEET — 16 Sections

## SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier Rapidgrow Rootburst Powder		[WHMIS Classification] Exempt Consumer Commodity	
Product Use Promoter for rooting cuttings			
Manufacturer's Name Rapidgrow Industries Inc.		Supplier's Name Same as manufacturer.	
Street Address 20203 113B Ave.		Street Address	
City Maple Ridge	Province BC	City	Province
Postal Code V2X 0Z1	Emergency Telephone 604 465 1344/604 868 1698	Postal Code	Emergency Telephone
Date MSDS Prepared 2012/10/13	MSDS Prepared By Brian Franczuz	Phone Number 604 868 1698	

## SECTION 2 — COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients ( <i>specific</i> )	%	CAS Number	LD <sub>50</sub> of Ingredient ( <i>specify species and route</i> )	LC <sub>50</sub> of Ingredient ( <i>specify species</i> )
Talc	59.9	14807-96-6 93	95.2mg/m <sup>3</sup> TWA based on 40 hr week	
Perlite	40	93763-70-3	Total 10mg/M <sup>3</sup> , Respirable 3mg/M <sup>3</sup> , other mppcf	
Crystalline Silica Quartz	0.1	14808-60-7	TLV - 0.025mg/m <sup>3</sup> 8 hour TWA - respirable	

## SECTION 3 — HAZARDS IDENTIFICATION

Route of Entry <input checked="" type="checkbox"/> Skin Contact <input type="checkbox"/> Skin Absorption <input checked="" type="checkbox"/> Eye Contact <input checked="" type="checkbox"/> Inhalation <input checked="" type="checkbox"/> Ingestion
[Emergency Overview]
[WHMIS Symbols]
[Potential Health Effects] Eyes - Irritation and temporary discomfort <del>Skin - Not known to be absorbed through the skin. No known adverse effects on unbroken skin. Granulomas reported when talc was introduced into open wounds</del> <del>Inhalation: Primary route of entry. Acute accidental exposure symptoms non specific, similar to inhalation of any dust-coughing, wheezing, difficult breathing or upper respiratory tract irritation. Chronic exposure may produce a relatively mild pnuemoconiosis over 10-40 years exposure close to the TWA. Smoking and cocomitant disease might impose additional pulmanary burden.</del> <del>Individuals with pulmonary disease should not be assigned to a heavy talc environment. Crystalline silicate is listed by IARC as probably carcinogenic to humans by inhalation with chronic exposure above the TLV. Ingestion- No adverse effects expected</del>

## SECTION 4 — FIRST AID MEASURES

<b>Skin Contact</b> Remove contaminated clothing. Flush affected area with water for 15 minutes. Wash affected area with mild soap and water. Get medical attention if irritation develops or persists.
<b>Eye Contact</b> Immediately flush eyes with plenty of water. Remove any contact lenses (if easy to do) and continue flushing for 15 minutes. Get medical attention if irritation develops or persists.
<b>Inhalation</b> Remove person to fresh air. Seek medical attention immediately if breathing becomes difficult.
<b>Ingestion</b> If excessive amount ingested seek medical attention.

SAMPLE FORMAT PROVIDED BY THE WORKERS' COMPENSATION BOARD OF BRITISH COLUMBIA

**SECTION 5 – FIRE FIGHTING MEASURES**

Flammable <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, under which conditions?	
Means of Extinction None required		
Flashpoint (°C) and Method NA	Upper Flammable Limit (% by volume) NA	Lower Flammable Limit (% by volume) NA
Autoignition Temperature (°C) ND	Explosion Data – Sensitivity to Impact	Explosion Data – Sensitivity to Static Discharge
Hazardous Combustion Products ND		
[NFPA]		

**SECTION 6 – ACCIDENTAL RELEASE MEASURES**

Leak and Spill Procedures	If clean and dry sweep up and use. Do not use water as this will make surfaces extremely slippery. If spill is wet then flush heavily with water till it is non slippery.

**SECTION 7 – HANDLING AND STORAGE**

Handling Procedures and Equipment	Use respirator as required to avoid prolonged and repeated exposure to dust. Safety goggles at minimum. Goggles should be worn in areas of high concentration. Gloves generally not required except for those with dermatitis.
Storage Requirements	Store in cool, dry area in closed container or package. Keep containers closed at all times. Do not reuse containers. Store away from incompatible materials. Use with proper personal protective equipment. Keep out of reach of children.

**SECTION 8 – EXPOSURE CONTROL / PERSONAL PROTECTION**

Exposure Limits	<input checked="" type="checkbox"/> ACGIH TLV	<input type="checkbox"/> OSHA PEL	<input type="checkbox"/> Other (specify)
Specific Engineering Controls (such as ventilation, enclosed process)	Ventilate to control dust below TLV concentrations.		
	Exposure limits - TLV respiratory dust 2 mg/m3 Based on 8 hour shift, 40 hours per week.		
Personal Protective Equipment	<input checked="" type="checkbox"/> Gloves	<input checked="" type="checkbox"/> Respirator	<input checked="" type="checkbox"/> Eye <input type="checkbox"/> Footwear <input type="checkbox"/> Clothing <input type="checkbox"/> Other
If checked, please specify type	Gloves- Generally not required except those with dermatitis.		
	Respirator- Use respirator as required to avoid prolonged and repeated exposure to dust.		
	Eyes- Safety glasses at minimum. Goggles in areas of high concentration.		

**Product Identifier**

**SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**

Physical State Solid	Odour and Appearance Fine powder.	Odour Threshold (ppm) NA
Specific Gravity NA	Vapour Density (air = 1) ND	Vapour Pressure (mmHg) ND
Evaporation Rate ND	Boiling Point (°C) NA	Freezing Point (°C) NA
pH ND	Coefficient of Water/Oil Distribution	[Solubility in Water]

**SECTION 10 – STABILITY AND REACTIVITY**

Chemical Stability <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If no, under which conditions?
Incompatibility with Other Substances <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes, which ones? Hydrofluoric acid
Reactivity, and under what conditions? NA	
Hazardous Decomposition Products CO2, NOx, Carbon Monoxide	

**SECTION 11 – TOXICOLOGICAL INFORMATION**

Effects of Acute Exposure Skin Contact- No Adverse effects are known as a consequence of application to unbroken skin. Granulomas have been reported when talc was introduced to open wounds. Skin Absorption- Not known to be absorbed through the skin. Eye Contact- can cause temporary discomfort and irritation if in eye. Inhalation - Primary route of entry. Symptoms of acute accidental exposure would be non-specific and similar to breathing any dust. - Coughing, wheezing, difficulty breathing or upper respiratory tract irritation.	
Effects of Chronic Exposure Respiratory- chronic exposure may produce a relatively mild pneumoconiosis over 10-40 years of exposure close to the TWA. Smoking and concomitant disease might impose an additional pulmonary burden. Individuals with pulmonary disease should not be assigned to a heavy talc environment. Crystalline silica is listed by IARC as probably carcinogenic to humans by inhalation with chronic exposure above the TLV. Ingestion- No adverse effects expected.	
Irritancy of Product Eyes, Upper respiratory tract	
Skin Sensitization open wound or individuals with dermatitis	Respiratory Sensitization irritant
Carcinogenicity – IARC Crystalline silica is listed as probably carcinogenic to humans by inhalation with exposure above the TLV	Carcinogenicity – ACGIH None known.
Reproductive Toxicity None known.	Teratogenicity None known.
Embryotoxicity None known.	Mutagenicity None known.
Name of Synergistic Products/Effects ND	

**Product Identifier**

**SECTION 12 – ECOLOGICAL INFORMATION**

[Aquatic Toxicity]	ND

**SECTION 13 – DISPOSAL CONSIDERATIONS**

Waste Disposal	Product can be landfilled.

**SECTION 14 – TRANSPORT INFORMATION**

Special Shipping Information	
Not regulated by TDG.	
	PIN
TDG	[DOT]
[IMO]	[ICAO]

**SECTION 15 – REGULATORY INFORMATION**

[WHMIS Classification]	Exempt Consumer Commodity	[OSHA]
[SERA]		[TSCA]
<i>This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by CPR.</i>		

**SECTION 16 – OTHER INFORMATION**

NA = Not Applicable.
ND = Not Determined.