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## PRODUCT INFORMATION

**Product Identifier** PLANT-PROD STIM ROOT 1, 2 &3

**Manufacturer's Name** PLANT PRODUCTS CO. LTD.  
**Address** 314 ORENDA ROAD  
BRAMPTON, ONTARIO  
L6T 1G1

**CFIA NUMBER** 200106A  
200107A  
200108A

**EMERGENCY NUMBER** 1-613-996-6666

**Product Use** WATER SOLUBLE FERTILIZER FOR PLANTS

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## HAZARDOUS INGREDIENTS

Hazardous Ingredients	C.A.S. / N.A. / UN No.	%	LD <sub>50</sub>	T.W.A
CRYSTALLINE SILICA	14808-60-7	0.1 OR LESS	NO DATA	10 mg/m <sup>3</sup>
TALC	14807-96-6	93-95	NO DATA	2 mg/m <sup>3</sup>

**WHMIS CLASSIFICATION:** NOT CONTROLLED

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## PHYSICAL DATA

<b>Physical State:</b> SOLID	<b>Odour and Appearance:</b> FINE POWDER
<b>Odour Threshold:</b> NA	<b>Specific Gravity:</b> 2.7-2.8
<b>Vapour Pressure:</b> ND	<b>Vapour Density:</b> ND
<b>Evaporation Rate:</b> ND	<b>Boiling Point:</b> NA
<b>Freezing Point:</b> NA	<b>Density:</b> 1.05 g/mL
<b>pH:</b> (10% Solution) 9.5	

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## FIRE AND EXPLOSION HAZARD

**Flammability:** NON-FLAMMABLE

**Means of Extinction:**  
NONE REQUIRED

**Flashpoint:** NA                      **UEL:** NA                      **LEL:** NA

**Auto-ignition Temperature:** NA                      **TDG Flammability Class:**  
NON-FLAMMABLE

**Hazardous Combustion Products:**  
NONE DETERMINED

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**REACTIVITY DATA**

**Chemical Stability:** STABLE WHEN DRY  
**Incompatibility:** HYDROFLUORIC ACID  
**Conditions of Reactivity:** NOT APPLICABLE  
**Hazardous Decomposition Products:** CO<sub>2</sub>, NITROGEN OXIDES AND CARBON MONOXIDE.

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**TOXICOLOGICAL PROPERTIES**

**Route of Entry:** **Effects of Acute or Chronic Exposure:**

**SKIN CONTACT** – NO ADVERSE EFFECTS ARE KNOWN AS A CONSEQUENCE OF APPLICATION TO UNKROKEN SKIN. GRANULOMAS HAVE BEEN REPORTED WHEN TALC WAS INTRODUCED INTO OPEN WOUNDS.

**SKIN ABSORPTION** - NOT KNOWN TO BE ABSORBED THROUGH THE SKIN.

**EYE CONTACT** – CAN CAUSE TEMPORY DISCOMFORT AND IRRITATION IF IN EYE.

**INHALATION** - PRIMARY ROUTE OF ENTRY. SYMPTOMS OF ACUTE ACCIDENTAL EXPOSURE WOULD BE NON-SPECIFIC AND SIMILAR TO THE INHALATION OF ANY DUST- COUGHING, WHEEZING, DIFFICULT BREATHING OR UPPER RESPIRATORY TRACT IRRITATION. CHRONIC EXPOSURE MAY PRODUCE A RELATIVELY MILD PNEUMOCONIOSIS OVER 10-40 YEARS OF EXPOSURE CLOSE TO THE TWA. SMOKING AND CONCOMITANT DISEASE MIGHT IMPOSE AND ADDITIONAL PULMONARY BURDEN. INDIVIDUALS WITH PULMONARY DISEASE SHOULD NOT BE ASSIGNED TO A HEAVY TALC ENVIRONMENT. CRYSTALLINE SILICA IS LISTED BY IARC AS PROBABLY CONCINOGENIC TO HUMANS BY INHALATION WITH CHRONIC EXPOSURE ABOVE THE TLV..

**INGESTION** – NO ADVERSE EFFECTS EXPECTED.;

**Exposure Limits:** TLV RESPIRATORY DUST 2 mg/m<sup>3</sup>  
BASED ON 8 HOUR SHIFT, 40 HOUR WEEK.

**Synergistic Products:**  
ND

**Sensitization / Irritancy:** ND

**Carcinogenicity / Teratogenicity /Mutagenicity / Reproductive Effects:**  
CRYSTAQLLINE SILICA (CS) IS LISTED AS PROBABLY CARCINOGENIC FOR HUMAN BY IARC, BY IHALATION

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**PREVENTIVE MEASURES:****Personal Protective Equipment:**

**RESPIRATORY** – USE RESPIRATOR AS REQUIRED TO AVOID PROLONGED AND REPEATED EXPOSURE TO DUST.

**EYES-** SAFETY GLASSES ARE THE MINIMUM EYE PROTECTION. GOGGLES SHOULD BE WORN IN AREAS OF HIGH CONCENTRATION

**GLOVES** – GENERALLY NOT REQUIRED EXCEPT FOR THOSE WITH DERMATITIS.

**Engineering Controls:**

VENTILATE TO MAINTAIN AIRBORNE CONCENTRATIONS BELOW TLV.

**PREVENTIVE MEASURES (continued)**

**Leak or Spill Procedure:**

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 UNTIL NON-SLIPPERY.

**Disposal:**

DISPOSE OF IN NON CROP AREAS AWAY FROM WATERWAYS, IN ACCORDANCE WITH FEDERAL, PROVINCIAL AND LOCAL REGULATIONS.

**Handling Procedures and Equipment:**

SURFACES SUBJECT TO SPILLS OR DUSTING CAN BECOME EXTREMELY SLIPPERY. KEEP SURFACES CLEAN AND DRY.

**Storage Requirements:**

KEEP OUT OF REACH OF CHILDREN. STORE IN A COOL, DRY PLACE.

**Shipping Information:**

NOT REGULATED BY TDG

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**FIRST AID MEASURES:**

**SKIN** - WASH WITH SOAP AND WATER. THERMAL BURNS REQUIRE IMMEDIATE MEDICAL ATTENTION. FLUSH AFFECTED AREAS WITH LARGE AMOUNT OF COLD WATER.

**EYES** - FLUSH IMMEDIATELY WITH WATER FOR 15 MINUTES OR UNTIL IRRITATION SUBSIDES. IF IRRITATION PERSISTS, SEEK MEDICAL ADVICE.

**INHALATION** – IF IRRITATION OF NOSE OR THROAT DEVELOPS, MOVE FROM THE SOURCE OF EXPOSURE AND INTO FRESH AIR. APPLY ARTIFICIAL RESPIRATION OR OXYGEN IF BREATHING HAS STOPPED OR IS DIFFICULT. SEEK MEDICAL ATTENTION.

**INGESTION** - FOR LARGE AMOUNTS SEEK MEDICAL ATTENTION IMMEDIATELY.

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**PREPARATION INFORMATION**

**Department:**

TECHNICAL

**Date:**

SEPT. 1, 2013