

----- MATERIAL SAFETY DATA SHEET -----

Plant Products

TURF PRIDE 7-3-12 WITH 15.3% QUINTOZENE  
AND 0.75% IRON

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PRODUCT INFORMATION  
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Product Identifier: TURF PRIDE 7-3-12 WITH 15.3% QUINTOZENE AND 0.75% IRON  
 Manufacturer's Name: PLANT PRODUCTS CO. LTD.  
 Address: 314 ORENDA ROAD  
 BRAMPTON, ONTARIO  
 L6T 1G1  
 Emergency Phone Number: 1-613-996-6666  
 Product Use: FERTILIZER AND FUNGICIDE FOR TURF

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HAZARDOUS INGREDIENTS  
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| Hazardous Ingredients               | C.A.S./N.A./UN No. | %    | LD50                       |
|-------------------------------------|--------------------|------|----------------------------|
| PENTACHLORONITRO-<br>BENZENE (PCNB) | 82-68-8            | 15.3 | >3670 mg/kg<br>(ORAL, RAT) |

WHMIS CLASSIFICATION: NOT CONTROLLED

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PHYSICAL DATA  
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Physical State: GRANULAR  
 Odour and Appearance: MUSTY ODOUR  
 Odour Threshold: ND  
 Specific Gravity: NA  
 Vapour Pressure: NA  
 Vapour Density: NA  
 Evaporation Rate: NA  
 Boiling Point: NA  
 Freezing Point: NA  
 Density: ND  
 pH: NA

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FIRE AND EXPLOSION HAZARD  
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Flammability: NON-FLAMMABLE  
 Means of Extinction: USE WATER OR FOAM OR MEDIA SUITABLE TO EXTINGUISH SOURCE OF FIRE. WEAR SCBA IF EXPOSED TO SMOKE.  
 Flashpoint: NA  
 Auto-ignition Temperature: NA  
 TDG Flammability Class:  
 Hazardous Combustion Products: MAY RELEASE AMMONIA, SOX, POX, PHOSGENE, HCL, COX, NOX, PROPIONALDEHYDE WHEN DECOMPOSING.

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REACTIVITY DATA  
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Chemical Stability: STABLE UNDER NORMAL CONDITIONS  
 Incompatibility: STRONG ACIDS AND ALKALIS  
 Conditions of Reactivity:  
 Hazardous Decomposition Products: NH3, SOX, POX, PHOSGENE, HCL, COX, NOX, PROPIONALDEHYDE.

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TOXICOLOGICAL PROPERTIES  
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Route of Entry: Effects of Acute or Chronic Exposure:  
 SKIN CONTACT - VERY LOW DERMAL TOXICITY. MAY CAUSE SLIGHT IRRITATION WITH PROLONGED CONTACT.  
 EYE CONTACT - MAY BE IRRITATING TO EYES.  
 INHALATION - MAY CAUSE SLIGHT IRRITATION WHICH DISAPPEARS AFTER END OF EXPOSURE.  
 INGESTION - LOW TOXICITY - QUINTOZENE LD50 3670 mg/kg, FERTILIZER COMPONENTS LD50 3000 mg/kg.  
 Exposure Limits: TLV - 10 mg/m3 - NUISANCE DUST  
 Synergistic Products: NONE

Sensitization / Irritancy: QUINTOZENE MAY BE A SKIN SENSITIZER  
 Carcinogenicity: TESTING INDICATES THAT PCNB IS AN EXPERIMENTAL ANIMAL CARCINOGEN. ACGIH LISTING A4 (PCNB); IARC: NOT APPLICABLE. NO INCREASE IN TUMOUR INCIDENCE WAS NOTED IN MICE FED PCNB FOR TWO YEARS. EFFECTS WERE SEEN ON BODY WEIGHT.  
 Teratogenicity: PCNB - IN A RABBIT STUDY MATERNAL TOXICITY, AS EVIDENCE BY MORTALITY, ABORTION AND DECREASED WEIGHT GAIN, WAS OBSERVED ALONG WITH DEVELOPMENT EFFECTS IN THE FORM OF REDUCED FETAL BODY WEIGHT. NO TERATOGENIC EFFECTS WERE SEEN. IN A RAT STUDY MATERNAL TOXICITY, AS EVIDENCED BY DECREASED BODY WEIGHT GAIN, WAS SEEN. NO TERATOGENIC OR DEVELOPMENTAL EFFECTS WERE OBSERVED.  
 Reproductive Effects: PCNB - IN A RAT STUDY EFFECTS WERE SEEN ON PARENTAL AND PUP BODY WEIGHT. NO EFFECTS ON REPRODUCTION WERE OBSERVED.  
 Mutagenicity: PCNB HAS BEEN EVALUATED IN SEVERAL SHORT-TERM MUTAGENICITY ASSAYS. POSITIVE RESULTS WERE OBTAINED IN THE CHO CHROMOSOMAL ABERRATION ASSAY.

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PREVENTIVE MEASURES:  
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Personal Protective Equipment:  
 SKIN - WEAR LONG SLEEVED CLOTHING AND GLOVES.  
 INHALATION - WEAR DUST MASK IF ABOVE TLV.  
 EYES - WEAR SAFETY GOGGLES IN DUSTY ENVIRONMENT. DO NOT WEAR CONTACT LENSES.  
 Engineering Controls: VENTILATE TO CONTROL DUST.  
 Leak or Spill Procedure: SWEEP UP SPILLS AND APPLY AS LABELLED. PREVENT ENTRY TO WATERWAYS.  
 Disposal: DISPOSE OF IN ACCORDANCE WITH FEDERAL, PROVINCIAL AND LOCAL REGULATIONS.  
 Handling Procedures and Equipment: AVOID EYE AND SKIN CONTACT. AVOID INHALING.  
 Storage Requirements: STORE IN A COOL, DRY PLACE. DO NOT STORE NEAR FOOD OR FEED. DO NOT CONTAMINATE ANY BODY OF WATER.  
 Shipping Information: NOT REGULATED BY TDG

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FIRST AID MEASURES:  
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SKIN - WASH THOROUGHLY WITH SOAP AND WATER. GET MEDICAL ATTENTION IF IRRITATION PERSISTS OR DERMATITIS DEVELOPS.  
 EYES - FLUSH EYES IMMEDIATELY WITH WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION IMMEDIATELY.  
 INHALATION - REMOVE TO FRESH AIR. AID OR RESTORE BREATHING IF NECESSARY. GET MEDICAL ATTENTION.  
 INGESTION - IF LARGE AMOUNT INGESTED, GIVE 2 - 3 GLASSES OF WATER AND INDUCE VOMITING. GET MEDICAL ATTENTION. DO NOT INDUCE VOMITING IF VICTIM IS UNCONSCIOUS.

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ADDITIONAL INFORMATION:  
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QUINTOZENE IS TOXIC TO FISH

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PREPARATION INFORMATION  
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Department: TECHNICAL  
 Phone Number: (905) 793-7000  
 Date: SEPTEMBER 2008

NA - Not Applicable  
 ND - Not Determined

Plant Products

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