

REACTIVITY DATA

Chemical Stability: STABLE UNDER NORMAL CONDITIONS

Incompatibility: STRONG ACIDS AND ALKALIS

Conditions of Reactivity:

Hazardous Decomposition Products: NH₃, SO_x, PO_x, PHOSGENE, HCl, CO_x, NO_x, PROPIONALDEHYDE.

TOXICOLOGICAL PROPERTIES

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.

PREVENTIVE MEASURES:

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.

TURF PRIDE 7-3-12 WITH 15.3% QUINTOZENE

3 of 3

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

FIRST AID MEASURES:

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.

ADDITIONAL INFORMATION:

QUINTOZENE IS TOXIC TO FISH

PREPARATION INFORMATION

Department:

TECHNICAL

Phone Number:

(905) 793-7000

Date:

NOVEMBER 2004

NA - Not Applicable
ND - Not Determined