

IN CASE OF EMERGENCY DUE TO A MAJOR SPILL, FIRE OR POISONING INVOLVING THIS PRODUCT CALL DAY OR NIGHT, 1-800-561-8273 or CHEMTREC 1-800-424-9300

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

DISTRIBUTED BY:

UNITED AGRI PRODUCTS CANADA, INC.
789 Donnybrook Drive • Dorchester, Ontario N0L 1G5

24-Hour Emergency Phone: 1-800-561-8273
Additional Emergency Phone (Canutec): 1-613-996-6666 (Collect)

CHEMICAL IDENTITY: Quintozene (PCNB; Pentachloronitrobenzene)

PRODUCT USE: Chlorinated Hydrocarbon Fungicide

REG. NO.: 940003C – Fertilizers Act

MSDS Number: 940003C-11-UAP

MSDS Revisions: Sections 1, 4

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2. HAZARDS IDENTIFICATION SUMMARY

KEEP OUT OF REACH OF CHILDREN – CAUTION - Avoid breathing dusts. May cause skin irritation. Harmful if swallowed. Harmful if inhaled. Avoid prolonged or repeated skin contact. Avoid eye contact. This product is derived from Quintozene (Pentachloronitrobenzene; PCNB) and Sulfate of Potash. This product is a light brown-colored granule with mild chemical odor. Primary routes of entry are eye contact and skin contact.

3. COMPOSITION, INFORMATION ON INGREDIENTS

<u>Chemical Ingredients:</u>	<u>Percentage by Weight:</u>	<u>CAS No.</u>	<u>TLV (Units)</u>
Soluble Potash (K ₂ O)	6.00	7778-80-5	not listed
PCNB (Pentachloronitrobenzene)	15.00	82-68-8	0.5 mg/m ³

4. FIRST AID MEASURES

If swallowed: Call a poison control centre or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person.

If in eyes: Hold eyes open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control centre or doctor for treatment advice.

If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control centre or doctor for further treatment advice.

If inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration preferably by mouth-to-mouth, if possible. Call a poison control centre or doctor for further treatment advice.

FOR A MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL: 1-800-561-8273. Have the product label or container with you when calling a poison control centre or doctor, or going for treatment.

5. FIRE FIGHTING MEASURES

FLASH POINT (°F/Test Method): Not applicable

FLAMMABLE LIMITS (LFL & UFL): Not applicable

EXTINGUISHING MEDIA: Use medium appropriate to surrounding fire. Dry chemical, carbon dioxide, foam, water spray or fog.

HAZARDOUS COMBUSTION PRODUCTS: May include but are not limited to Phosgene, Hydrogen Chloride, Oxides of Nitrogen, Chlorine-containing compounds, and other unknown materials may be formed.

SPECIAL FIRE FIGHTING PROCEDURES: Use water spray to cool containers exposed to fire. Remain upwind. Avoid breathing smoke. Wear self-contained breathing apparatus and full protective gear.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Dusts or vapors can travel to a sources of ignition and flash back.

6. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

Avoid breathing dusts. Sweep up dry spills immediately and transfer to suitable containers for possible land application according to label use or for disposal. Check local and provincial regulations for proper disposal.

CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

7. HANDLING AND STORAGE

HANDLING: Wash thoroughly after handling. Avoid breathing dust. Use with adequate ventilation. Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

STORAGE: Carefully fold and secure open bags and store in a cool dry place away from children, feed and food products, pesticides, and seed. Do not contaminate water, food, or feed by storage or disposal.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Not normally required.
RESPIRATORY PROTECTION: Not normally required, if vapors or dusts exceed acceptable levels, wear a MSHA/NIOSH approved pesticide respirator with dust/mist prefilter.
EYE PROTECTION: Chemical goggles or shielded safety glasses.
SKIN PROTECTION: Wear protective clothing: long-sleeved shirts and pants, shoes with socks. Wear rubber or chemical-resistant gloves.

	OSHA PEL 8 hr TWA	ACGIH TLV-TWA
Nuisance Particulates	15 mg/m ³ (Total Dust)	not listed
PCNB	Not listed	1 mg/m ³

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOUR: Light brown-colored granule with mild chemical odor
SPECIFIC GRAVITY (Water = 1): 0.48 – 0.64 g/ml
VAPOUR PRESSURE: Not applicable
PERCENT VOLATILE (by volume): Not applicable
Note: These physical data are typical values based on material tested but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specification items.

BULK DENSITY: 480 – 640 kg/m³
BOILING POINT: Not applicable
EVAPORATION RATE: (Butyl Acetate = 1): Not applicable

SOLUBILITY: Insoluble
pH: Not applicable

10. STABILITY AND REACTIVITY

STABILITY: Stable
CONDITIONS TO AVOID: Excessive heat and moisture.
INCOMPATIBILITY: None known.
HAZARDOUS DECOMPOSITION PRODUCTS: Phosgene, Hydrogen Chloride, Oxides of Nitrogen, Chlorine-containing compounds, and other unknown materials may be released in a fire situation. Incomplete combustion may lead to the formation of Oxides of Carbon and/or other asphyxiants.
HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

Acute Oral LD₅₀ (male rat): 1710 mg/kg (PCNB)
Eye Irritation (rabbit): May cause irritation
Inhalation LC₅₀ (rat): 6.49 mg/L (4H).
Carcinogenic Potential: Not listed in OSHA or NTP. IARC lists PCNB as IARC-3: Unclassifiable as to Carcinogenicity in Humans. ACGIH list PCNB as TLV-A4: Not Classifiable as a Human Carcinogen.

Acute Dermal LD₅₀ (rat): 2000 - 4000 mg/kg
Skin Irritation (rabbit): May cause irritation
Skin Sensitization (Guinea Pig): Not a sensitizer

12. ECOLOGICAL INFORMATION

PCNB may be highly toxic to aquatic organisms. Do not contaminate water by cleaning of equipment or disposal of wastes. Use this product only as specified on the product labeling.

13. DISPOSAL CONSIDERATIONS

Completely empty bag into application equipment. Do not reuse bag. Contact your local dealer/distributor for the location of the nearest collection site. Before taking container to the collection site: Make the empty container unsuitable for further use. If there is no container collection site in your area, dispose of the container in accordance with provincial requirements. For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Do not contaminate water, food, or feed by storage or disposal.

14. TRANSPORT INFORMATION

DOT/TDG Shipping Description: NOT REGULATED
U.S. Surface Freight Classification: FERTILIZING COMPOUNDS (MANUFACTURED FERTILIZERS), NOI, DRY (NMFC 68140, SUB 5; CLASS 50)
IMDG Shipping Description: NOT REGULATED

Consult appropriate ICAO/IATA regulations for shipment requirements in the Air shipping mode.

15. REGULATORY INFORMATION

NFPA & HMIS Hazard Ratings:

NFPA		HMIS	
1	Health	0	Least
0	Flammability	1	Slight
0	Instability	2	Moderate
		3	High
		4	Severe

SARA Hazard Notification/Reporting

SARA Title III Hazard Category:

Immediate	<u>Y</u>	Fire	<u>N</u>	Sudden Release of Pressure	<u>N</u>
Delayed	<u>N</u>	Reactive	<u>N</u>		

Reportable Quantity (RQ) under U.S. CERCLA: Quintozene (CAS: 82-68-8) 100 pounds
SARA, Title III, Section 313: Quintozene (CAS: 82-68-8) 15%
RCRA Waste Code: U185 (Quintozene; PCNB)
CA Proposition 65: Not listed

16. OTHER INFORMATION

MSDS STATUS: Sections 1 and 4 revised

PREPARED BY: Registrations and Regulatory Affairs

REVIEWED BY: Environmental/ Regulatory Services

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