



MATERIAL SAFETY DATA SHEET

0-0-5 Nutri-Q

P.I.N. n/a

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SECTION I : PRODUCT IDENTIFICATION AND USE

Product Name: 0-0-5 Nutri-Q

Grade: Micro

Synonyms: Fertilizer and fungicide.

Chemical Name: Fertilizer mixed with Pentachloro Nitrobenzene (Quintozene)

Molecular Formula: n/a

Product Use: Controlling snow mould on golf course greens.

Controlling crown rot and damping off on ginseng.

T.D.G. classification: Not regulated.

Packing group: N/A

W.H.M.I.S. Classification : D2B

Health: 2

Flammability: 0

Reactivity: 0

SECTION II : HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	%	CAS NO.
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Quintozene (P.C.N.B.)	5.0	82-68-8
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OTHER INGREDIENTS	CAS NO.
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Potassium sulphate	7778-80-5
Montmorillonite	70892-59-0

SECTION III : PHYSICAL DATA

PHYSICAL PROPERTIES:

Physical State: Solid

Appearance and Odour: White, gray granules, slight musty odour.

Melting/Freezing Point (Deg. C.):

Bulk Density: 550-800 kg/m³ (40-50 lb/ft³).

Solubility: Barely soluble

pH: Neutral

SECTION IV : FIRE AND EXPLOSION DATA

Flammability Limits in Air N/A (%) UEL: LEL:

Fire Extinguishing Media: Water

Fire Fighting Procedures: Use a self-contained breathing apparatus.

Other Fire or Explosion Hazards: None.

SECTION V : REACTIVITY DATA

STABILITY:

Under Normal Conditions: Stable.
Under Fire Conditions: Quintozene is unstable.
Hazardous Polymerization: Will not occur.
Conditions to Avoid: Extreme heat.
Materials to Avoid: Strong oxidizers, strong acids and bases.
Hazardous Decomposition or Combustion Products: Phosgene, hydrogen chloride, nitrogen oxides.

SECTION VI : TOXICOLOGICAL PROPERTIES

Recommended Exposure Limit: None established.
Toxicological Data: For Quintozene, LD₅₀ oral, rat 1700-5000 mg/kg LC₅₀ 6.49 mg/l
Carcinogenicity Data: Not classified as carcinogenic.
Reproductive Effects: No data available.
Mutagenicity Data: No data available.
Teratogenicity Data: No data available.
Synergistic Materials: None known.

EFFECTS OF EXPOSURE WHEN:

P INHALED: Dust is slightly irritating to respiratory tract.
P IN CONTACT WITH THE SKIN: Potential dermal sensitizer and irritant with repeated exposure.
P IN CONTACT WITH THE EYES: May cause slight irritation.
P INGESTED: May cause gastrointestinal irritation and diarrhea.

OTHER HEALTH EFFECTS: None known.

SECTION VII : FIRST AID MEASURES

FIRST AID PROCEDURES WHEN:

P INHALED: Remove to fresh air.
P IN CONTACT WITH THE SKIN: Remove contaminated clothing, wash skin with soap and water. If irritation or dermatitis develops, seek medical attention.
P IN CONTACT WITH THE EYES: Flush with running water for 15 minutes. Seek medical attention.
P INGESTED: IF conscious, give large amounts of water or milk and induce vomiting. Seek medical attention. Do not induce vomiting if victim is unconscious.

EMERGENCY MEDICAL CARE: Watch for developing pulmonary edema. Oxygen may be indicated. The administration of barbiturate is beneficial. Avoid morphine and adrenaline.

SECTION VIII : PREVENTIVE MEASURES

Recommendations listed in this section indicate the type of equipment which will provide protection against overexposure to this product. Conditions of use, adequacy of engineering or other control measures, and actual exposures will dictate the need for specific protective devices at your workplace.

ENGINEERING CONTROLS: Local exhaust ventilation recommended. Handle only in well ventilated areas.
RESPIRATORY PROTECTION: Use respirator approved for pesticides.
SKIN PROTECTION: Impervious rubber, Neoprene, nitrile, or natural rubber.
EYE PROTECTION: Safety glasses with side shields are recommended.
OTHER PERSONAL PROTECTIVE EQUIPMENT: Emergency eye wash station, shower facilities, separate work and street clothes recommended.
HANDLING PROCEDURES AND EQUIPMENT: Close containers when not in use. Keep away from heat and strong oxidizers.
STORAGE TEMPERATURE (DEG. C.): Ambient.
STORAGE REQUIREMENTS: Store in a cool, dry well ventilated area, away from water, food, feed, and seed.
OTHER PRECAUTIONS: Do not contaminate any source of water.

ENVIRONMENTAL PROTECTION DATA:

STEPS TO BE TAKEN IN THE EVENT OF A SPILL OR LEAK: Shovel into suitable container with lid for disposal. Avoid creating dust.
ENVIRONMENTAL EFFECTS: Harmful to fish: Bluegill LC₅₀ .29 mg/l, Rainbow trout LC₅₀ .31 mg/l, Daphnia LC₅₀ .77 mg/l. Non-toxic to bees and birds.
DEACTIVATING CHEMICALS: N/A
WASTE DISPOSAL METHODS: Dispose according to local regulations.

SECTION IX : PREPARATION DATE OF M.S.D.S.

PREPARED BY: Olivier Hayes

DATE: April 20, 2008

NOTICE: The information presented herein is based on data considered to be accurate as of the date of preparation of this Material Safety Data Sheet. However, no warranty or representation expressed or implied, is made to the accuracy or completeness of the foregoing data and safety information.