



Material Safety Data Sheet

Uniroyal Chemical

CROMPTON CORPORATION
199 Benson Road, Middlebury, CT 06749

CROMPTON Emergency Phone: (203) 723-3670
CHEMTREC Transportation Emergency Phone: 1-800-424-9300
SAFETY DATA Information: (203) 573-3303

MSDS No. A391007

Date Issued: 5/26/87

Date Revised: 3/24/00: **Supersedes: 10/1/98**

R-5

NOTE TO END-USERS: This MSDS is being provided to all interested persons in accordance with federal and state right-to-know laws. Precautionary Statements, First Aid Statements and Directions for Use of this product by end-users are contained on the product label and must be followed at all times.

IDENTIFICATION

Trade Name: **TERRACLOR® FLOWABLE FUNGICIDE**

CAS Number: 82-68-8 (active)

Chemical Name:

Chemical Family: Halogenated nitrobenzene

Pentachloronitrobenzene 40%

Inerts: 60%

Common Name: PCNB

SPECIAL REGULATORY HAZARDS

<u>Ingredient</u>	<u>CAS No.</u>	<u>Exposure Limit</u>	<u>OSHA (1910.1200)</u>	<u>EEC*</u>
PCNB	82-68-8	0.5 mg/m ³ , TWA (ACGIH)	Sensitizer Carcinogen	Sensitizer Possible risk of irreversible effects
Petroleum Oil	64742-54-7	5 mg/m ³ (ACGIH, OSHA)	Oil Mist	NA

Hazard assessment based on available data.

Transportation: DOT/ICAO/IATA Not Regulated

IMO Hazard Class: 9, Miscellaneous; ID No. UN3082 Marine Pollutant

PHYSICAL DATA

Appearance and Odor: White to light gray liquid; sweet alcohol-like odor.

Solubility: NA

Specific Gravity (H₂O=1): 1.26

Vapor Pressure @ 20°C: NA

Melting Point: NA

Vapor Density (Air = 1): ND

Boiling Point: NA

Volatility @ 70°F: ND

Other Data: pH: 8.16

FIRE AND EXPLOSION HAZARD DATA

Flash Point: >95°C (203°F) PMCC

Autoignition Temperature: 453°C (848°F)

Extinguishing Media: Water spray, dry chemical.

Flammable Limits: ND

Special Fire Fighting Procedures: Protect against inhalation of combustion products. Contain run-off.

Unusual Hazards: None identified.

REACTIVITY DATA

Stability: Stable at ambient temperatures and pressures.

Incompatibility: ND

Decomposition Products: Phosgene, hydrogen chloride, oxides of nitrogen under burning conditions.

NA = Not Applicable

ND = Not Determined

* European Economic Community

Crompton makes no representation or warranty with respect to the information in this Material Safety Data Sheet. The information is however, as of this date provided, true and accurate to the best of Crompton's knowledge. This list of information is not intended to be all inclusive. Actual conditions of use and handling may require considerations of information other than, or in addition to, that which is provided herein.

SAP#501073

SPECIAL PROTECTION INFORMATION

Engineering Controls: Sufficient ventilation to minimize vapor exposure.

Personal Protection Equipment: Avoid all personal contact. Observe good personal hygiene. Chemical resistant gloves, protective clothing and eye protection should be worn when handling. Launder clothing before reuse. In the absence of adequate ventilation, use NIOSH-certified respiratory protection.

NOTE TO END-USERS: The employee protection recommendations on this MSDS may differ from those on the product label. For normal use of this product, always refer to the personal protective equipment requirements on the product label.

STORAGE, SPILLS AND DISPOSAL INFORMATION

Storage: Do not reuse empty containers. Do not contaminate water, food or feed by storage or disposal.

Spills: Absorb on inert material. Shovel into secure containers for proper disposal. Use personal protective equipment as outlined above. Reportable Quantity: 100 lbs. (PCNB)

Disposal: In accordance with EPA/RCRA regulations 40CFR 261.33 (f) U185.

Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the nearest EPA Regional Office for guidance.

Environmental Information:

TERRACLOR TECHNICAL

Bluegill Sunfish: 96hr LC₅₀ - 0.1 ppm
Rainbow Trout: 96hr LC₅₀ - 0.55 ppm
Daphnia Magna: 48hr LC₅₀ - 0.77 ppm
Fathead Minnow: **Early Lifestage: 24-54 ug/l**
Sheepshead Minnow: **96 hr LC₅₀ - 1.5 ppm**

Bobwhite Quail: 8 day LC₅₀ - >5000 ppm
Mallard Duck: 8 day LC₅₀ - >5000 ppm
Mysid Shrimp: 96hr LC₅₀ - 0.012 ppm
Honey Bee: LD₅₀ - >100 ug/bee
Oyster: 96 hr. EC₅₀ - 0.29 ppm

These data indicate Terraclor Technical to be very toxic to aquatic species and practically non-toxic to avian and other species.

HEALTH RELATED DATA

SPECIFIC HAZARDS: Contact with eyes may cause irritation. Tests in laboratory animals indicate PCNB to be an experimental animal carcinogen.

Primary Route(s) of Entry: Inhalation, skin absorption.

First Aid Procedures: **IF IN EYES:** Flush with plenty of water for 15 minutes.

IF ON SKIN: Wash with plenty of soap and water.

IF INHALED: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

TOXICOLOGY INFORMATION:

Oral toxicity: LD₅₀ (rats) - >5 g/kg

Dermal toxicity: LD₅₀ (rats) - > 2 g/kg

Inhalation: LC₅₀ (Rats) - > 0.73 mg/l

Irritation: eye (rabbits) - mild irritant
skin (rabbits) - negative

Sensitization: skin (guinea pigs) - negative

Chronic: A two year feeding study of PCNB in mice at dietary concentrations of 2500 and 5000 ppm did not show evidence of an increase in tumors.

A two year feeding study of PCNB in rats at dietary concentrations of 20, 3000 and 6000 ppm showed an increased incidence of thyroid follicular cell tumors. A subsequent mechanism study demonstrated that tumor formation was the result of altered thyroid hormone homeostases, which has a threshold of 20 ppm (1 mg/kg/day). No teratogenic effects were seen in rat and rabbit teratology studies.

SARA TITLE III (40 CFR 372) SECTION 313 TOXIC CHEMICALS NOTIFICATION

TOXIC CHEMICAL

pentachloronitrobenzene

CAS #

82-68-8

% (BY. WT.)

40

Carcinogenic per NTP _____ IARC _____ OSHA **X** (PCNB) None _____

TERRACLOR® FLOWABLE FUNGICIDE