

**Uniroyal Chemical**

CROMPTON CORPORATION
199 Benson Road, Middlebury, CT 06749

Material Safety Data Sheet

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

MSDS No. A394011

Date Issued: 6/14/91

Date Revised: 4/19/99; Supersedes: 1/29/99

R-6

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® Super X 18.8G

CAS Number: 82-68-8; 2593-15-9 (actives)

Chemical Name:**Chemical Family:** Mixture

Pentachloronitrobenzene 15.0%
5-ethoxy-3-(trichloromethyl)-1,2,4-thiadiazole 3.8%
Inerts: 81.2%
Common Name: PCNB, Etridiazole

SPECIAL REGULATORY HAZARDS

<u>Ingredient</u>	<u>CAS No.</u>	<u>Exposure Limit</u>	<u>OSHA (1910.1200)</u>	<u>EEC*</u>
Etridiazole	2593-15-9	ND	Target organ effects Carcinogen	Possible risk of irreversible effects
PCNB	82-68-8	ND	Sensitizer Carcinogen	Possible risk of irreversible effects Sensitizer
Trimethylbenzene	25551-13-7	25 ppm, (TWA), 125 mg/m ³ , STEL	Target organ effects	Irritant
Xylene	1330-20-7	100 ppm, TWA, 150 ppm, STEL (OSHA, ACGIH)	Target organ effects	NA

Hazard assessment based on available data.

Transportation: DOT Hazard Class: 9, Miscellaneous; ID No. UN3077; Marine Pollutant Packages ≥ 400 Kgs.
IMO Hazard Class: 9, Miscellaneous; ID No., UN3077; Marine Pollutant ICAO/IATA: Not Regulated

PHYSICAL DATA

Appearance and Odor: Granular; musty odor**Solubility:** Partially soluble in aromatic solvents**Specific Gravity (H₂O=1):** ND**Vapor Pressure @ 20°C:** ND**Melting Point:** ND**Vapor Density (Air = 1):** ND**Boiling Point:** ND**Volatility @ 70°F:** 65%**Other Data:** NA

FIRE AND EXPLOSION HAZARD DATA

Flash Point: 133°F (55.8°C) Setaflash Clos. Cup**Autoignition Temperature:** ND**Extinguishing Media:** Foam, CO₂, 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:** Strong oxidizing agents.**Decomposition Products:** May emit phosgene, hydrogen chloride and oxides of nitrogen and sulfur 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.

SPECIAL PROTECTION INFORMATION

Engineering Controls: Sufficient ventilation to minimize vapor/dust 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: Store away from sources of direct heat in a dry area. See package label for details.

Spills: Vacuum up to avoid creating dust. Transfer into secure containers for proper disposal. Use personal protective equipment as outlined above. Reportable Quantity - 100 lbs. (PCNB)

Disposal: In accordance with applicable local, state and federal regulations regarding pesticidal waste.

Environmental Information:

TERRACLOR TECHNICAL	TERRAZOLE TECHNICAL
Avian: Oral LD ₅₀ - >2000 mg/kg (mallard duck)	560 mg/kg (bobwhite quail)
Mallard Duck: Dietary LC ₅₀ - >5000 ppm	1650 ppm
Bluegill Sunfish: LC ₅₀ - 0.1 mg/l (96hr)	3.27 mg/l (216 hr)
Rainbow Trout: LC ₅₀ - 0.55 mg/l (96hr)	1.21 mg/l (216 hr)
Daphnia Magna: 48 hr LC ₅₀ - 0.77 ppm	4.9 mg/l

This pesticide is toxic to fish and aquatic organisms.

HEALTH RELATED DATA

SPECIFIC HAZARDS: Excess exposure may cause liver damage. Exposure to vapor may cause dizziness. Repeated, minimal skin contact may cause sensitization.

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

First Aid Procedures: **IF IN EYES:** Flush eyes with plenty of water. Get medical attention.
IF ON SKIN: Wash with plenty of water. Get medical attention.
IF INHALED: Remove to fresh air. Get medical attention.
IF INGESTED: Drink an eight ounce glass of water containing 2 tbsp. activated charcoal. Contact physician.

TOXICOLOGY INFORMATION:

Oral toxicity: LD₅₀ (rats) - >5 g/kg
Dermal toxicity: LD₅₀ (rabbits) - >5 g/kg
Inhalation toxicity: LC₅₀ (rats) - >4.9 mg/l
Irritation: eye (rabbits) - moderate
skin (rabbits) - slight
Sensitization: (guinea pigs) - negative

Subchronic: Animal studies with Etridiazol and PCNB indicate some liver damage.

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

Chronic: The two year feeding study in rats at dietary concentrations of 20, 3000 and 6000 ppm **PCNB** showed an increased incidence of thyroid follicular cell tumors. A subsequent mechanism study demonstrated that tumor formation was the result of altered thyroid hormone homeostatis, 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	CAS #	% (BY. WT.)
Pentachloronitrobenzene	82-68-8	15%
Xylene	1330-20-7	up to 2.4%
Trimethylbenzene	25551-13-7	up to 5%

Carcinogenic per NTP _____ IARC _____ OSHA **X** (PCNB, Etridiazole)