



MATERIAL SAFETY DATA SHEET #3023

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CHEMTREC: (800) 424-9300

DATE ISSUED: 11/28/00
SUPERSEDES: 03/31/00

I. PRODUCT IDENTIFICATION

Product: LESCO Revere 10G Turf & Ornamental Fungicide **Chemical Family:** Halogenated Nitrobenzene
Chemical Name/Synonyms: PCNB, Terraclor

II. PRODUCT INFORMATION: INGREDIENTS

Chemical Name	TLV/TWA	%(by wt.)	CAS#
Pentachloronitrobenzene	0.5 mg/cu meter	10%	82-68-8-6
Naptha Solvent with xylene range aromatic solvent	100 ppm	<1%	64742-95-6
Calcium Carbonate Carrier	ND	90%	1317-65-3

III. PHYSICAL AND CHEMICAL CHARACTERISTICS

Boiling Point:	NA	Specific Gravity (water=1):	NA
Melting Point:	NA	Bulk Density (lbs./cu. ft.):	75-85 lbs/cu. ft.
Vapor Pressure (mm Hg):	NA	Evaporation Rate:	ND
Vapor Density (air = 1):	NA	Percent Volatile:	Low
Solubility in Water:	Partially soluble in water and organic solvents	Appearance and Odor:	Light gray granules, mothball or musty odor.
pH:	ND		

IV. FIRE AND EXPLOSION HAZARD DATA

Flash Point (method Used):	ND	Auto Ignition Temperature:	ND
Lower Explosion Limits:	ND	Upper Explosion Limits:	ND
NFPA/HMIS RATING:	HEALTH 3	FIRE 1	REACTIVITY 0
Extinguishing Media:	<input type="checkbox"/> Foam <input checked="" type="checkbox"/> Water Spray	<input type="checkbox"/> Alcohol Foam <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Dry Chemical <input type="checkbox"/> CO ₂

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

Provide for the protection of employees and residents: a) Evacuate residents who are downwind to the fire. b) Prevent unauthorized entry to fire area. c) Persons who may have been exposed to contaminated smoke should be examined by a physician and treated appropriately. d) Dike area to prevent runoff and contamination of water sources.

Notify local authorities that firemen should: a) Wear protective clothing and use self contained breathing apparatus. b) Be immediately relieved from duty, if exposed to contaminated smoke, and check for symptoms of poisoning. These should not be mistaken for heat exhaustion or smoke inhalation.

Unusual Fire and Explosion Hazards: None identified. Not an explosion hazard.

V. HEALTH HAZARDS

Primary Route(s) of Entry: Skin, eyes, inhalation, ingestion.

Signs & Symptoms of Exposure

Acute: Skin sensitizer. Repeated contact could produce allergic dermatitis. Eye irritation, nausea, vomiting, corneal damage possible.

Chronic: Chloracne, skin sensitization and allergic dermatitis.

Emergency First-Aid Procedures

Eyes: Hold eyelids open and flush with a steady, gentle stream of water for at least 15 minutes. Get medical attention.

Skin: Immediately wash skin with plenty of soap and water while removing contaminated clothing and shoes. Wash clothing separately before reuse.

Inhalation: Remove victim to fresh air. If not breathing, administer cardiopulmonary resuscitation or artificial respiration. If breathing is difficult, administer oxygen. Get medical attention.

Ingestion: Drink promptly a large quantity of milk, egg whites, gelatin solution or, if these are not available, drink large quantities of water. Avoid alcohol. Get medical attention.

Notes to Physician: Repeated minimal contact with skin may cause sensitization. Tests in animals indicate PCNB to be an experimental animal carcinogen.

A 78 week feeding study conducted by the National Cancer Institute in mice and rats at levels up to 8,187 and 14, 635 ppm PCNB respectively did not result in an increased incidence of tumors.

A 104 week feeding study conducted in rats at levels of 20; 3,000; and 6,000 PCNB resulted in an elevated incidence of thyroid follicular adenoma and carcinoma. The NOEL for chronic toxicity and oncogenicity is determined to be 20 ppm.

Medical Conditions Aggravated by Exposure: Skin irritation may be aggravated in person with existing skin lesions.

Toxicity Information:

Oral LD₅₀: (rat) 12.3 g/kg body weight (acute) **Dermal LD₅₀ (rabbits):** >4,000 mg/kg body weight (acute)
Eye Effects (rabbit): negative **Skin Irritation (rabbit):** negative

Positive Teratogen or Mutagen Carcinogen(NTP): No

Potential Carcinogen (IARC): No

Potential Carcinogen (OSHA): Yes

VI. REACTIVITY

Stability: Stable at ambient temperatures and pressures.

Conditions to Avoid: Strong oxidizing agents.

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

Hazardous Polymerization: Will not occur Will occur

VII. SPILL, LEAK, AND DISPOSAL PROCEDURES

If material is spilled: Vacuum up to avoid creating dust. Reuse per label instructions or transfer into secure containers for proper disposal. Use personal protective gear. Reportable quantity: 100 lbs. (PCNB), 1,000 lbs. of product. Do not flush material into public sewer systems or any waterways. Wear appropriate protective clothing and equipment during cleanup activities. Ensure adequate decontamination of tools and equipment following cleanup.

Waste Disposal Method: In accordance with EPA/RCRA Regulations 40CFR 261.33 (f) U185

Environmental Information: This pesticide is toxic to fish and aquatic organisms. Cover, collect, or incorporate spilled granules. Do not contaminate water when disposing of equipment washwaters. Do not apply directly adjacent to potable water supplies.

TERRACLOR TECHNICAL

Bluegill Sunfish: 96hr LC50 - 0.1ppm

Daphnia Magna: 48hr LC50 - 0.77ppm

Sheephead Minnow: 96hr LC 50 - 1.5ppm

Bobwhite Quail: 8 day LC 50 - > 5000ppm

Mysid Shrimp: 96hr LC 50 - 0.012ppm

Rainbow Trout: 96hr LC50 - 0.55ppm

Fathead Minnow: Early Lifestage: 24-54 ug/l

Mallard Duck: 8 day LC50 - > 5000 ppm

Honey Bee: LD50 - > 100 ug/bee

Oyster: 96hr EC50 - 0.29ppm

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

VIII. SPECIAL PROTECTION INFORMATION

Protective Equipment Suggested for Outdoor Application:

Impervious Gloves Dust Mask Respirator (use NIOSH/MSHA approved)

Impervious Boots Clean Clothing Eye Goggles / Safety Glasses

Protective Equipment Suggested for Confined Areas:

Sufficient Ventilation Respirator (use NIOSH/MSHA approved) Dust Mask Splash Goggles/

Eyewash Station Emergency Shower Impervious Apron **Safety Glasses**

Note to the 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.

IX. STORAGE AND HANDLING

Precautions: Storage away from sources of direct heat in a dry area.

Other Precautions: Store unused product in original container only, in cool, dry area out of reach of children and animals.

Do not store in areas where temperatures frequently exceed 100° F(37.8° C).

Do not contaminate water, food or feed by storage or disposal.

X. FEDERAL REGULATORY INFORMATION:

SARA TITLE III; SEC. 311/312 HAZARD CATEGORIES

Y Immediate (acute) Health

Y Delayed (Chronic) Health

N Fire

N Sudden Release of Pressure

N Reactivity

D.O.T. SHIPPING INFORMATION

PROPER SHIPPING NAME: Not regulated by DOT

HAZARD CLASS: 9

I.D. NUMBER: UN3077, Marine Pollutant

HAZMAT NUMBER: U185(PCNB)

SEC 302
TPQ=N/A

SEC 313
Y

SEC 304
EHS=N/A

CERCLA
RQ=100 lbs(PCNB)

CAA
RQ=1 lb(PCNB)

EPA Reg. No.
400-407-10404

NA = Not Applicable

ND = Not Determined

Preparation and distribution of this Material Safety Data Sheet done by LESCO, Inc., 15885 Sprague Road, Strongsville, Ohio 44136-1799, pursuant to the OSHA Hazard Communication Standard (29 CFR 1910.1200).

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