



MATERIAL SAFETY DATA SHEET # 3031

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CHEMTREC: (800) 424-9300

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SUPERSEDES: 04/03/00

I. PRODUCT IDENTIFICATION

Product: LESCO® Revere™ 4000 Flowable Fungicide; LESCO® Revere™ 4000 Turf & Ornamental Fungicide
Chemical Family: Nitrobenzene **Chemical Name/Synonyms:** PCNB, Pentachloronitrobenzene

II. PRODUCT INFORMATION: INGREDIENTS

Chemical Name	TLV/TWA	%(by wt.)	CAS#
Pentachloronitrobenzene (PCNB)	0.5 mg/m ³ (8 Hour TWA)	38.3% - 40.0%	82-68-8
Inert Ingredients		61.7%	

III. PHYSICAL AND CHEMICAL CHARACTERISTICS

Boiling Point:	215°F/102°C	Specific Gravity (water=1):	1.25 g/ml @ 20°C
Melting Point:	NA/Do Not Freeze	Density:	10.4 lb/gal
Vapor Pressure (mm Hg):	23.8 mm Hg @ 25°C	Evaporation Rate:	Solvent will evaporate at the same rate as water.
Vapor Density (air = 1):	1	Appearance and Odor:	Liquid suspension, tan to brown opaque with mild chemical odor.
Percent Volatile:	Approx. 61%		
Solubility in Water:	Dispersible		
pH:	5.5 - 7		

IV. FIRE AND EXPLOSION HAZARD DATA

Flash Point (method Used):	NA	Auto Ignition Temperature:	NA
Lower Explosion Limits:	NA	Upper Explosion Limits:	NA
NFPA/HMIS RATING:	HEALTH 2	FIRE 0	REACTIVITY 0
Extinguishing Media:	Use media appropriate for the surrounding fire.		

Special Fire-Fighting Procedures: Wear NIOSH approved positive pressure, self-contained breathing apparatus. Foam system is preferred because uncontrolled water can spread possible contamination. Prevent run-off from entering drains, sewers or bodies of water.

Unusual Fire and Explosion Hazards: This product may emit hazardous fumes of hydrogen chloride, carbon oxides, nitrogen oxides, and unidentified organic compounds when it is heated excessively or burned. WEAR SELF-CONTAINED BREATHING APPARATUS.

V. HEALTH HAZARDS

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

Signs & Symptoms of Exposure

Acute: A person suffering from acute exposure to PCNB may exhibit vomiting, hyperirritability, convulsions, conversion of hemoglobin to methemoglobin. Testing has shown this product to be a slight irritant to the skin and minimally irritating to the eye. It is a sensitizer.

Chronic: Chronic exposure to PCNB may cause dermatitis.

Emergency First-Aid Procedures

Eyes: Immediately flush eyes with copious amounts of clear, cool running water for a minimum of 15 minutes. Hold the eyelids apart during flushing to ensure rinsing of the entire surface of the eyes and lids with water. Contact a physician immediately. If there will be a delay in getting medical attention, rinse the eyes for at least another 15 minutes.

Skin: Immediately flush all affected areas with large amounts of clear water for at least 15 minutes. Wash with soap and water while removing contaminated clothing. Do not attempt to neutralize with chemical agents. Wash clothing before reuse. If skin irritation develops, contact a physician immediately.

Inhalation: Remove victim to fresh air. If breathing has ceased, clear the victim's airway and start mouth-to-mouth artificial respiration. If breathing is difficult, give oxygen. Contact a physician immediately.

Ingestion: Immediately dilute the swallowed product by giving large quantities of water, but do not induce vomiting. If vomiting occurs, give fluids again. Have a physician determine if condition of patient will permit induction of vomiting or evacuation of stomach. Never give anything by mouth to an unconscious person. Contact a physician immediately.

Notes to Physician: Treat symptomatically. Hazard Information Service (H.I.S.) is available 24 hours a day to answer medical questions on this product. Their toll-free number is 800-228-5635 Ext. 169.

Toxicity Information:

Oral LD₅₀: (rat) >5050 mg/kg

Dermal LD₅₀: (rabbit) >2020 mg/kg

Inhalation LC₅₀: (rat) >2.25 mg/L (aerosol, 4 hr)

Eye Irritation: Minimally irritating.

Skin Irritation: Slightly irritating.

Skin Sensitizer: (Guinea pig) sensitizer

Positive Teratogen or Mutagen Carcinogen (NTP): No

Potential Carcinogen (IARC or OSHA): Yes (IARC, Group 3, sufficient animal evidence)

VI. REACTIVITY

Stability: Stable Unstable

Conditions to Avoid: This product is stable under normal use and storage conditions.

Incompatibility: Strong acids, strong bases, and oxidizers.

Hazardous Decomposition Products: This product may emit hazardous fumes of hydrogen chloride, carbon oxides, nitrogen oxides, and unidentified compounds when it is heated excessively or burned.

Hazardous Polymerization: Will not occur Will occur

VII. SPILL, LEAK, AND DISPOSAL PROCEDURES

If material is spilled: Use impervious clothing and safety goggles. Keep bystanders away from spill.

Small Spill: Cover with absorbent (clay, sawdust, straw, kitty litter, etc.), to absorb the liquid. Sweep into an open drum. Clean the area with common powdered household detergent and a stiff brush and just enough water to make a slurry. Absorb and sweep into the same open drum. Rinse with water, absorb, and add to the drum. Close the drum and dispose properly.

Large Spill: Dike the spill to prevent contamination of local water sources. Siphon the majority of the liquid into drums for use or disposal, depending on the circumstances. Clean the area as described for a small spill.

Waste Disposal Method: Dispose according to Federal EPA procedures as outlined in the Resource Conservation Recovery act (RCRA) and follow state and local guidelines. Triple rinse and puncture containers as required.

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

Rainbow Trout: 96hr LC50 - 0.55ppm

Daphnia Magna: 48hr LC50 - 0.77ppm

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

Sheepshead Minnow: 96hr LC 50 - 1.5ppm

Mallard Duck: 8 day LC50 - > 5000 ppm

Bobwhite Quail: 8 day LC 50 - > 5000ppm

Honey Bee: LD50 - > 100 ug/bee

Mysid Shrimp: 96hr LC 50 - 0.012ppm

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/Safety Glasses

Eyewash Station Emergency Shower Impervious Apron

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: Store in original container in a cool, dry place. Keep out of reach of children and pets. Separate from other pesticides, fertilizers, seed, feed, foodstuffs, tobacco, cosmetics, and away from drains, sewers, and water sources. Avoid contact with eyes and skin.

Other Precautions: Practice good care and good safety precautions when handling this product. Wash thoroughly after handling.

X. FEDERAL REGULATORY INFORMATION:

SARA TITLE III; SEC. 311/312 HAZARD CATEGORIES

Immediate (acute Health) PROPER SHIPPING NAME: Environmentally

Delayed (Chronic) Health

Fire

Sudden Release of Pressure

Reactivity

D.O.T. SHIPPING INFORMATION(≥ 25 gal. only)

hazardous substance, liquid, n.o.s. (Pentachloro-nitrobenzene)

DOT CLASS: 9

UN NUMBER: UN 3082

PACKAGING GROUP: III

RQ: Yes

SEC 302

TPQ=None

SEC 313

Pentachloronitrobenzene

(CAS #82-68-8) - 38.3%- 40.0%

CERCLA

RQ=100 lb (PCNB)

261 lb (Product)

CAA

RQ=NA

EPA Reg. No. 5481-465-10404, 400-454-10404

NA = Not Applicable

ND = Not Determined

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

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