



MATERIAL SAFETY DATA SHEET

TERRACLOR® 75WP

Version: 1.0
DATE OF ISSUE: 02/08/2006
Date printed: 03/25/2006

1. PRODUCT AND COMPANY IDENTIFICATION

Product name : TERRACLOR® 75WP

Chemical name: PCNB

Use of substance/preparation: Fungicide

Supplier: Chemtura USA Corporation
Chemtura Corporation (Worldwide HQ)
199 Benson Road
Middlebury, CT 06749 USA

Emergency telephone number CHEMTREC (24 hours) 800-424-9300
Chemtura Corporation Emergency Response
(24 hours) 800-292-5898
**For additional emergency telephone numbers
see section 16 of the Safety Data Sheet.**

Environmental, Health and Safety Department: 866-430-2775

2. COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT	% BY WEIGHT
Pentachloronitrobenzene CAS# 82-68-8	75

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

CAUTION!

MAY CAUSE SENSITIZATION BY SKIN CONTACT.



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4. FIRST AID MEASURES

Swallowing

Call a poison control center or doctor immediately for treatment advice.
Have person sip a glass of water if able to swallow.
Do not induce vomiting unless told to do so by the poison control center or doctor.
Do not give anything by mouth to an unconscious person.

Skin contact

Take off contaminated clothing.
Rinse skin immediately with plenty of water for 15 to 20 minutes.
Call a poison control center or doctor for treatment advice.

Inhalation

Move person to fresh air.
If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.
Call a poison control center or doctor for further treatment advice.

Eye contact

Hold eye open and rinse slowly and gently with water for 15 to 20 minutes.
Remove contact lens, if present, after the first 5 minutes, then continue rinsing eye.
Call a poison control center or doctor for further treatment advice.

5. FIRE-FIGHTING MEASURES

Hazardous combustion products

Irritating fumes.
Oxides of carbon.
Oxides of nitrogen.

Special fire fighting procedures

Do not discharge extinguishing waters into streams, rivers and lakes.

Special protective equipment for firefighters

Body covering protective clothing, full "turn-out" gear.
Self-contained breathing apparatus.

Extinguishing media

Suitable:

- CO2
- dry powder
- foam
- water fog

Unsuitable: - water spray



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6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Wear suitable protective equipment., Avoid contact with eyes and skin.

Environmental precautions

Prevent from entering sewer system, surface water or soil.

Methods for cleaning up

Sweep up and collect in a suitable container for disposal.
Avoid dust formation.

7. HANDLING AND STORAGE

HANDLING

Handling precautions

Do not get in eyes, on skin, on clothing., Avoid dispersion of dust in air.

Other precautions

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

Storage requirements

Store in a cool, dry place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMIT VALUES

<u>Component</u>	<u>Country</u>	<u>Type</u>	<u>Value</u>	<u>Remark</u>
Pentachloronitrobenzene	Belgium	MAC TWA	0.5 mg/m ³	
	Denmark	TWA	0.5 mg/m ³	
	Ireland	OEL-TWA	0.5 mg/m ³	
	Italy	TWA	0.5 mg/m ³	
	Spain	VLA-ED	0.5 mg/m ³	
	the Netherlands	TGG	0.5 mg/m ³	



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		TWA-TLV, ACGIH	0.5 mg/m3	
				Toxicity to reproduction/fertility: A4
	Australia	TWA	0.5 mg/m3	

No other exposure limits have been established

PERSONAL PROTECTION

Respiratory protection

A respirator approved for dust/fume or mist protection is recommended for mists, sprays or aerosols.

Hand protection / protective gloves

Chemical resistant protective gloves

Eye protection

Safety glasses with side shields.

Skin protection

Wear protective clothing, such as long sleeves to minimize skin contact.

ENGINEERING CONTROLS

Ventilation

Local ventilation is needed in the presence of airborne mists, sprays or aerosols and/or high vapor concentrations.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE

Physical state Fine powder
Color Off-white to light tan
Odor Musty

OTHER PROPERTIES

Boiling point Not available
Melting point Not available
Bulk density Not available
Solubility in water Low
Solubility in organic solvents Soluble



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Flash point
Not applicable

10. STABILITY AND REACTIVITY

Stability: This product is stable under normal storage and handling conditions.

Incompatible materials

Oxidizing agents.
Strong acids.
Strong bases.

Hazardous combustion products

Irritating fumes.
Oxides of carbon.
Oxides of nitrogen.

Hazardous polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION

SWALLOWING

Test results

Acute toxicity: LC50 Rat
Result: 3,700 mg/kg

<u>Component data</u> Pentachloronitrobenzene Acute toxicity - Swallowing:	LD50 - Rat Result: > 5,000 mg/kg
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<u>Component data</u> Pentachloronitrobenzene Acute toxicity - Skin absorption:	LD50 - Rabbit Result: > 2,000 mg/kg
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<u>Component data</u> Pentachloronitrobenzene Acute toxicity - Inhalation:	LC50 - Rat Result: > 0.25 mg/l Exposure time: 4 h
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SKIN CONTACT

Test results

Skin irritation: Species: Rabbit
Classification: Not irritating

<u>Component data</u> Pentachloronitrobenzene Skin irritation - Skin contact:	Species: Rabbit Exposure time: 4 h Result: Slightly irritating
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	Classification: Not irritant
<u>Component data</u> Pentachloronitrobenzene Eye irritation - Eye contact:	Species: Rabbit Result: Mild irritation Classification: Not irritant
<u>Component data</u> Pentachloronitrobenzene Sensitization:	Species: Guinea pigs Result: Positive

CARCINOGENICITY

Component (Pentachloronitrobenzene): IARC Group 3: cannot be classified as carcinogenic to humans.

12. ECOLOGICAL INFORMATION

<u>Component ecotoxicology</u> Pentachloronitrobenzene <u>Acute toxicity fish:</u>	Acute toxicity fish LC50 - Bluegill (<i>Lepomis macrochirus</i>) Result: 0.1 mg/l Exposure time: 96 h
<u>Component ecotoxicology</u> Pentachloronitrobenzene <u>Acute toxicity fish:</u>	Acute toxicity fish LC50 - Rainbow trout (<i>Oncorhynchus mykiss</i>) Result: 0.55 mg/l Exposure time: 96 h
<u>Component ecotoxicology</u> Pentachloronitrobenzene <u>Acute toxicity to aquatic invertebrates:</u>	Acute daphnia toxicity LC50 - Water flea (<i>Daphnia magna</i>) Result: 0.77 mg/l Exposure time: 48 h

13. DISPOSAL CONSIDERATIONS

General: Dispose of in accordance with appropriate Federal, State, and local regulations., Avoid discharge to sewers and natural waters.

Non-cleaned packages

Empty drums should be decontaminated and either passed to an approved drum reconditioner or destroyed., Containers that cannot be cleaned must be treated as waste.

14. TRANSPORT INFORMATION



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DOT Classification

Not regulated by ground or rail if shipped or transported in container less than 400kg.

Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
Class: 9
UN ID #: UN3077
Packing group: III

Not regulated by ground or rail if shipped or transported in container less than 400kg.

IMDG Classification

Proper shipping name: Environmentally hazardous substance, solid, n.o.s.
Class: 9
Subsidiary risk: marine pollutant
UN ID #: UN 3077
Packing group: III
Marpol: marine pollutant

ICAO Classification

Proper shipping name: Environmentally hazardous substance, solid, n.o.s.
Class: 9
UN ID #: UN 3077
Packing group: III

15. REGULATORY INFORMATION

Comprehensive Environmental Response Compensation and Liability Act of 1980 (CERCLA) requires notification of the National Response Center of release of quantities of hazardous substances equal to or greater than the reportable quantities (RQ's) in 40CFR302.4.

Components present in this product at a level which could require reporting under the statute are:

Chemical name	CAS#	Max weight %
Pentachloronitrobenzene	82-68-8	75.00

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires submission of annual reports of release of toxic chemicals that appear in 40CFR372 (for SARA 313). This information must be included in MSDS's that are copied and distributed for this material.

Components present in this product at a level which could require reporting under the statute are:

Chemical name	CAS#	Max weight %
Pentachloronitrobenzene	82-68-8	75.00

New Jersey Worker and Community Right-To-Know Act (Labeling Requirements)

Chemical name	CAS#	New Jersey TS Number
Pentachloronitrobenzene	82-68-8	

EPA Hazard Categories (SARA 311, 312): Immediate Health Hazard



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California Proposition 65
 **** NONE ****

16. OTHER INFORMATION

RECOMMENDED USES AND RESTRICTIONSNOTE 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.

FURTHER INFORMATION

MAY BE ON THE INVENTORY LIST BUT NOT NECESSARILY REGISTERED, (Korea, China, New Zealand) CONSULT REGULATORY SPECIALIST.

Emergency Telephone Numbers

Latin America:	All	+44 (0)208 762 8322
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STP	Standard temperature and pressure
W/W	0 (HMIS)
1 (HMIS)	Slight hazard
2 (HMIS)	Moderate hazard
3 (HMIS)	Serious hazard
4 (HMIS)	Severe hazard
X (HMIS)	Personal protection rating to be supplied by user depending on use conditions

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