



INDUSTRIAL ADHESIVES • SYNTHETIC RESINS • CHEMICAL COATINGS • PHENOLIC PLASTICS • PAINTS

49-165

SODIUM PENTACHLOROPHENATE (GRANULAR, TECHNICAL)

COMPOSITION		CONTENTS	
Active Ingredients	90.0%	Sodium Pentachlorophenate (Granular, Technical)	100 lbs.
Sodium Pentachlorophenate	79.0%	Total Net Weight	
Sodium Salts of Other Chlorinated Phenols	11.0%		
Inert Ingredients	10.0%		
TOTAL	100.0%		

INSTRUCTIONS FOR USE—RCI 49-165 is the water soluble sodium salt of pentachlorophenol and is widely used as a water-borne preservative for lumber subject to fungal attack. A water solution of sodium pentachlorophenate may be prepared by dissolving RCI 49-165 in clean, fresh water. Recommended concentrations are 5 to 7 pounds 49-165 per 100 gallons of water for dip or spray solutions. For logs to be stored 3 to 4 months, a treating solution containing 21 pounds 49-165 per 100 gallons of water is recommended. For further details see Technical Bulletin SW-H-5.

WEAR PROTECTIVE CLOTHING AND RUBBER GLOVES WHEN HANDLING FRESHLY TREATED LUMBER.
VAPORS WILL CAUSE INJURY IF ADEQUATE VENTILATION IS NOT INSURED.

CAUTION! KEEP OUT OF REACH OF CHILDREN

Do not get in eyes, on skin or clothing of either dry material or its solution. Harmful or fatal if swallowed, inhaled or absorbed through the skin. In case of contact with eyes, flush with water for at least 15 minutes. In case of contact with the skin, wash immediately with soap and water. GET MEDICAL ATTENTION. Wash thoroughly after handling.

ANTIDOTE

INTERNAL: Call a physician or Poison Control Center immediately. Delay absorption by giving tap water or milk. Toxic substance should be removed by inducing vomiting or by washing out stomach.

EXTERNAL: Eyes:—Flush with copious quantities of clear water until physician arrives.

Skin:—Wash with copious amounts of soap and water.

THIS PRODUCT IS TOXIC TO FISH AND WILDLIFE. Keep it out of lakes, streams, and ponds. Do not contaminate water by cleaning of equipment, or disposal of wastes.

DO NOT REUSE EMPTY CONTAINER. Empty drums should be destroyed by crushing and burying in a safe place.

NONWARRANTY: Seller (whether Manufacturer, Distributor, or other) makes no warranty, express or implied, including the implied warranty of merchantability regarding this product except the composition as set forth in the ingredient statement herein. Buyer or user assumes all risk of possession, handling or use of this material when such use and/or handling is contrary to label instructions.

EPA Registration No. 5211-32

A PRODUCT OF

REICHHOLD CHEMICALS, INC.

"World's Largest Producer of Synthetic Resins"

TACOMA, WASHINGTON

REICHHOLD

PACIFIC NORTHWEST DIVISION

ACCEPTED

JUN 13 1972

UNDER THE FEDERAL INSECTICIDE
FUNGICIDE AND RODENTICIDE ACT
FOR ECONOMIC PESTION REGISTRATION
NO. 5211-32

Bulletin No.
SW-H-5
(Rev. 5/22/72)

RCI 49-165

SODIUM PENTACHLOROPHENATE (Granular, Technical)

INTRODUCTION:

RCI 49-165 Sodium Pentachlorophenate (Granular, Technical) is the water soluble sodium salt of pentachlorophenol and is widely used as a water-borne preservative for lumber subject to fungal attack. Granular RCI 49-165 is readily water soluble. Because of its granular form, dusting has been reduced to a minimum.

WEAR PROTECTIVE CLOTHING AND RUBBER GLOVES WHEN HANDLING THE FRESHLY TREATED LUMBER.

VAPORS WILL CAUSE INJURY IF ADEQUATE VENTILATION IS NOT INSURED.

APPLICATIONS:

Green lumber often is subject to the attack of various microorganisms which cause serious downgrading. Treatment of green lumber with a water solution of sodium pentachlorophenate is a very effective means of preventing losses due to the growth of stain and decay producing fungi. Water soluble RCI 49-165 preservative makes available to the lumber industry a product which can be easily and economically applied by either dipping or spraying. Protection with sodium pentachlorophenate insures delivery of bright, unstained lumber to the customer.

Since fungi attack freshly cut lumber almost immediately, it is important that the material be treated as soon as possible. If hauling to the mill must be delayed, saw logs should be treated at the site of the cutting operation. Where dipping the logs is not practical, a pump-type spray apparatus may be used to apply the solution.

The recommended concentration of RCI 49-165 preservative for dip or spray solutions for lumber is 5 to 7 pounds per 100 gallons of water. For logs to be stored 3 to 4 months, a treating solution containing 21 pounds per 100 gallons of water is recommended.

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49-165

SODIUM PENTACHLOROPHENATE (GRANULAR, TECHNICAL)

COMPOSITION

Active Ingredients	90.0%
Sodium Pentachlorophenate	79.0%
Sodium Salts of Other Chlorinated Phenols	11.0%
Inert Ingredients	10.0%
TOTAL	100.0%

CONTENTS

Sodium Pentachlorophenate (Granular, Technical) 100 lbs.
Total Net Weight

INSTRUCTIONS FOR USE: For use as a preservative for lumber subject to fungal attack. Granular PCL 49-165 is readily water soluble. Because of its granular form, dusting has been reduced to a minimum.

WEAR PROTECTIVE CLOTHING AND RUBBER GLOVES WHEN HANDLING FRESHLY TREATED LUMBER. VAPORS WILL CAUSE INJURY IF ADEQUATE VENTILATION IS NOT INSURED.

CAUTION! KEEP OUT OF REACH OF CHILDREN

ANTIDOTE

INTERNAL:	EXTERNAL: Eyes
	Skin

THIS PRODUCT IS TOXIC TO FISH AND WILDLIFE.

DO NOT REUSE EMPTY CONTAINER.

NEWARK, N.J. • MONROE, N.J. • PHILADELPHIA, PA. • PITTSBURGH, PA. • RICHMOND, VA. • WASHINGTON, D.C. • WILMINGTON, DE.

"World's Largest Producer of Synthetic Resins"

ACCEPTED

JUN 13 1972

UNDER THE FEDERAL INSECTICIDE FUNGICIDE AND WEED KILLING ACT FOR ECONOMIC POLSON REGISTERED UNDER NO. 5211-32

Bulletin No. SP 4-5 (Rev. 5/12/72)

PCL 49-165

SODIUM PENTACHLOROPHENATE (Granular, Technical)

INTRODUCTION

PCL 49-165 Sodium Pentachlorophenate (Granular, Technical) is the water soluble sodium salt of pentachlorophenol and is widely used as a water-borne preservative for lumber subject to fungal attack. Granular PCL 49-165 is readily water soluble. Because of its granular form, dusting has been reduced to a minimum.

WEAR PROTECTIVE CLOTHING AND RUBBER GLOVES WHEN HANDLING FRESHLY TREATED LUMBER.

VAPORS WILL CAUSE INJURY IF ADEQUATE VENTILATION IS NOT INSURED.

APPLICATIONS

Granular PCL 49-165 is used as a preservative for lumber subject to the attack of various types of fungi which cause rot, decay, staining, and other types of wood deterioration. It is also used as a preservative for plywood, veneer, and other wood products. PCL 49-165 preservative makes wood products more resistant to the growth of mold and mildew. It is also used as a preservative for paper products which can be applied and dried in a dry state or applied in a slurry. It is also used as a preservative for various types of building materials.

Under some circumstances, sufficient acidic material may leach out of the wood being treated to react with the sodium pentachlorophenate and cause pentachlorophenol to precipitate. If this is encountered, an inexpensive alkaline buffer may be incorporated in the formula. Borax is recommended and is commonly used in the ratio of 60-65 parts of borax per 35-40 parts by weight of RCI 49-165 preservative.

PREPARATION OF SOLUTIONS:

A water solution of sodium pentachlorophenate may be prepared by dissolving the granular material in clean, fresh water. Constant agitation of the solution during addition is recommended to facilitate solution.

The maximum strength of solution which can be prepared at 25°C (77.0°F) contains about 2-1/4 pounds per gallon (a 21% solution) *

SPECIFICATIONS:

Designation	RCI 49-165 Sodium Pentachlorophenate
Form	Granular, Technical
Active Ingredients	90%
(79% Sodium Pentachlorophenate	
11% Sodium Salts of Other	
Chlorinated Phenols)	
Inert Ingredients	10%

PHYSICAL PROPERTIES:

Color	Buff
Appearance	Granular
Chemical Formula	$C_5Cl_5O \cdot Na \cdot H_2O$
Molecular Weight	306
Shipping Density	55-59 lbs./cu.ft.
Packaging:	
Leverpak Fiber Drums	100 lbs. Net
pH Saturated Water	
Solution @ 25°C.	9.0-11.5

*NOTE: Sodium pentachlorophenate solutions stronger than 20% tend to form insoluble crystalline hydrates. Solution concentrations should be held below 20% to maintain solution clarity.

SOLUBILITY DATA:

Solvent	G.s. 49-165/per 100 Gs. Solvent	Approx. lbs. 49-165 per gal. Solution	Solution Concentration
Water @ 0.5°C (32.9°F)	14.4	1.2	12.6%
@ 9.5°C (49.1°F)	25.0*	2.1*	20.0%*
@ 25°C (77°F)	32.5*	2.7	24.5%*
Acetone @ 25°C	37	2.4	27%
Diacetone alcohol @ 25°C	47	3.7	32%
Ethyl Alcohol @ 25°C	65	4.3	39%
Ethylene glycol @ 25°C	43	4.0	36%
Methanol @ 25°C	22	1.4	18%
Linseed Oil	Insoluble		
Turpentine	Insoluble		

WARNING !! KEEP OUT OF REACH OF CHILDREN

Do not get in eyes, on skin or clothing of either dry material or its solution. Harmful or fatal if swallowed, inhaled or absorbed through the skin. In case of contact with eyes, flush with water for at least 15 minutes. In case of contact with the skin, wash it immediately with soap and water. GET IT OFF! ACT QUICKLY. Wash thoroughly after handling.

ANTIDOTE

1. If swallowed: Call a physician for Poison Control Center assistance. Do not induce vomiting. If vomited, do not re-allow to be swallowed. Toxic material should be removed by inducing vomiting by drinking out of a cup or by flushing out of mouth with water. If vomited, do not re-allow to be swallowed. If vomited, do not re-allow to be swallowed. If vomited, do not re-allow to be swallowed.

2. If inhaled: Get to fresh air immediately. If it is not possible to get to fresh air, cover mouth and nose with a wet cloth. If it is not possible to get to fresh air, cover mouth and nose with a wet cloth. If it is not possible to get to fresh air, cover mouth and nose with a wet cloth.