42% TECHNICAL GRADE 10:1 PENTACHLOROPHENOL CONCENTRATE

COMPOSITION

ACTIVE INGREDIENTS:
- Pentachlorophenol 36.0%
- Other Chlorophenols and Related Compounds 4.2%

INERT INGREDIENTS:

TOTAL 59.8%

INSTRUCTIONS FOR USE—RCI 49411 provides a 10:1 non-paintable pentachlorophenol concentrate for use in a variety of industries. It is a water-soluble concentrate that can be used in a variety of applications, such as in wood treatments, soil amendments, and as a disinfectant. It is non-flammable and is not easily ignited. However, it is highly flammable and should be kept away from flame. Wear protective clothing and rubber gloves when handling the freshly treated lumber.

WARNING! KEEP OUT OF REACH OF CHILDREN

ABSORBED THROUGH SKIN—CAUSES SKIN IRRITATION. Do not allow the concentrate to come into direct contact with skin. In case of contact with skin, wash immediately with soap and water. Get medical advice if irritation persists.

INTERNAL: Call emergency or Poison Control Center in case of ingestion. Do not induce vomiting unless instructed by medical professional.

EXTERNAL: Eyes—Flush with water for at least 15 minutes. Seek medical advice if irritation persists.

Skin—Wash with soap and water. Seek medical advice if irritation persists.

ANTIDOTES:

VAPORS WILL CAUSE INJURY IF ADEQUATE VENTILATION IS NOT INSURED. DO NOT WORK IN CONFINED SPACES WITHOUT ADEQUATE VENTILATION.

THIS PRODUCT IS TOXIC TO FISH AND WILDLIFE. Avoid contact with waterways, streams, and ponds. Apply to land only in accordance with label directions. Do not contaminate water, food, or feed by storage or disposal. Do not directly apply to water or to areas where surface waters are present.

DON'T REUSE EMPTY CONTAINER. EMPTY CONTAINERS ARE POTENTIALLY HAZARDOUS. DO NOT REUSE CONTAINERS. DISPOSAL OF SPENT CONCENTRATE SHOULD BE IN ACCORDANCE WITH LOCAL REGULATIONS. DISPOSAL OF SPENT CONTENTS IS THE RESPONSIBILITY OF THE USER. TAKE UNNECESSARY RISK. HANDLING A CONCENTRATE WILL MAKE HANDS SMELLY.

Antidote:

INTERNAL: Call emergency or Poison Control Center in case of ingestion. Do not induce vomiting unless instructed by medical professional.

EXTERNAL: Eyes—Flush with water for at least 15 minutes. Seek medical advice if irritation persists.

Skin—Wash with soap and water. Seek medical advice if irritation persists.

ADDITIONAL INFORMATION:

"World's Largest Producer of Synthetic Resins"
Bulletin No.
SK-II-13
(Rev. 6/22/72)

49-411

42% TECHNICAL GRADE 10:1 PENTACHLOROPHENOL CONCENTRATE

RCI 49-411 provides a 10:1 non-paintable pentachlorophenol concentrate for use as a wood preservative for the treatment of forest products such as lumber, plywood, poles and posts. It protects wood against fungus, stain-

microorganisms, molds, carpenter ants, termites and powder post beetles.

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

CAUTION-COMBUSTIBLE MIXTURE: Contains organic solvents. Keep contents and freshly treated material away from flame. The flash point of this product is 156°F Pensky-Martens closed cup.

MIXING DIRECTIONS

Preparation of Ready-To-Use Solution

To prepare a ready-to-use paintable solution, dilute one volume of RCI 49-411 with 10 parts by volume of a petroleum solvent, such as diesel oil, fuel oil or crankcase oil. The solution should be stirred until the concentrate and diluent are thoroughly blended. The ready-to-use solution prepared by dilut-
ing one part RCI 49-411 with 10 parts by volume of petroleum solvent is satis-
factory for most uses other than specification wood preserva-
tion. If a dilution ratio of 10:1 by volume is used, the technical pentachlorophenol content of the ready-to-use solution will vary depending upon the specific gravity of the diluent. The technical pentachlorophenol concentration resulting from the use of diluents of various specific gravities is shown in the attached graph. (Fig. 1)

Preparation of Ready-To-Use Solution containing
42% TECHNICAL GRADE 10:1 PENTACHLOROPHENOL CONCENTRATE

RCI 49-411 provides a 10:1 non-paintable pentachlorophenol concentrate for use as a wood preservative for the treatment of forest products such as lumber, plywood, poles and posts. It protects wood against fungus, stain-;
microorganisms, molds, carpenter ants, termites and powder post beetles.

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MIXING DIRECTIONS

Preparation of Ready-To-Use Solution

To prepare a ready-to-use paintable solution, dilute one volume of RCI 49-411 with 10 parts by volume of a petroleum solvent, such as diesel oil fuel oil crankcase oil. The solution should be stirred until the concentrate and diluent are thoroughly blended. The ready-to-use solution prepared by diluting one part RCI 49-411 with 10 parts by volume of petroleum solvent is satisfactory for most uses other than specification wood preservation. If a dilution ratio of 10:1 by volume is used, the technical pentachlorophenol content of the ready-to-use solution will vary depending upon the specific gravity of the diluent. The technical pentachlorophenol concentration resulting from the use of diluents of various specific gravities is shown in the attached graph. (Fig. 1)

Preparation of Ready-To-Use Solution containing 50% Technical Grade Pentachlorophenol

The precise dilution ratio to use to produce a ready-to-use solution containing 50% technical grade pentachlorophenol depends upon the specific gravity of the diluent used. The dilution ratio to be used depending upon the specific gravity of the diluent is shown in the attached graph. (Fig. 2.)
Wood Preservation

For maximum effectiveness, the ready-to-use solution should be applied to
the greatest penetration into the wood, especially at joints and end
grain and all surfaces of the wood must be thoroughly coated. Plywood should
be soaked for 30 seconds; structural lumber for 30 minutes. Wood to be in
contact with the soil for 24 hours. Dry and well seasoned fence posts should
be free of bark and immersed for a period of 48 hours. Lumber to be treated
by the brush or spray method should receive 2 or more flowing coats of the
product. Use only at 40°F or above temperatures.

WARNING! KEEP OUT OF REACH OF CHILDREN

Do not get in eyes, on skin or clothing. Harmful or fatal if swallowed,
halyzed 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 physician or Poison Control Center immediately. Do not cause
to become nauseated or vomit. Give milk or water to drink. Do not give anything
by mouth.

External: Eyes - Flush with copious quantities of clear water until physician arrives.
Skin - Wash with copious amounts of soap and water

POSSIBLE CAUSE OF INJURY IF INHALATION IS NOT STOPPED. Do not use this
product indoors or in any other enclosed area where the vapors may concentrate
and cause injury to persons within the vicinity.

This product is flammable. Keep out of fires, sparks and flames. Be careful when lighting equipment or disposal of waste.

In case of fire, use water spray. Do not use oil or foam type extinguishers.
Per Cent Technical Pentachlorophenol in Ready-to-Use Solution Resulting from the Use of Diluents of Various Specific Gravities at a 10:1 Dilution Ratio (By Volume)

<table>
<thead>
<tr>
<th>Specific Gravity of Diluent</th>
<th>0.65</th>
<th>0.70</th>
<th>0.75</th>
<th>0.80</th>
<th>0.85</th>
<th>0.90</th>
<th>0.95</th>
<th>1.0</th>
</tr>
</thead>
<tbody>
<tr>
<td>25°C</td>
<td>52.11</td>
<td>51.24</td>
<td>50.37</td>
<td>49.50</td>
<td>48.63</td>
<td>47.75</td>
<td>46.87</td>
<td>46.00</td>
</tr>
</tbody>
</table>
Dilution Ratio to Yield 5%
Technical Pentachlorophenol In
Ready-to-Use Solution For
Diluents of Various Specific
Gravities

0.65 0.70 0.75 0.80 0.85 0.90 0.95 1.0
Specific Gravity of Diluent

10-5-74