

CHLOROPHEN 49-412

42% TECHNICAL GRADE 10:1 PENTACHLOROPHENOL CONCENTRATE

ACCEPTED  
JAN 17, 1967  
U.S. DEPT. OF AGRICULTURE  
OFFICE OF THE FEDERAL INSPECTOR

COMPOSITION

ACTIVE INGREDIENTS:	
Pentachlorophenol .....	36.0%
Other Chlorophenols and Related Compounds .....	4.2%
INERT INGREDIENTS .....	59.8%
 TOTAL	 100.0%

5211-23

Registered Trademark, Reichhold Chemicals, Inc.

INSTRUCTIONS FOR USE

Chlorophen 49-412 provides a 10:1 pentachlorophenol concentrate for use as a wood preservative for the treatment of forest products, such as lumber, plywood, poles, and posts, against fungus, growths, carpenter ants, termites, and powder post beetles. It is also effective in combating ticks and red mites encountered in farm buildings near and around poultry.

To prepare a ready-to-use solution, dilute one volume of Chlorophen 49-412 with 10 volumes of a petroleum product such as diesel oil, fuel oil, or crank-case oil. For further details, see Technical Bulletin Sw-m-14.

FLAMMABLE - 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.

HAZARDOUS ABSORBED THROUGH SKIN - IRRITATES SKIN, IRRITATION

Do not get in eyes, on skin or in clothing. Do not breathe vapor or spray mist. Harmful and can be fatal if swallowed, inhaled, or absorbed through skin. In case of contact with eyes, flush with water at least 15 minutes. In case of contact with skin, wash immediately with soap and water. Get medical attention. Wash thoroughly after handling.  
**KEEP OUT OF REACH OF CHILDREN!**

This product will kill fish, keep it out of lakes, streams, and ponds.

ANTIDOTE

- Inernal: Call physician or Poison Control Center immediately. Delay absorption by giving tap water, milk or universal antidote. Toxic substance should be removed by inducing vomiting or by washing out the stomach.
- External: Eyes--Flush with copious quantities of clear water until physician arrives.  
Skin--Rinse with rubbing alcohol and follow with repeated washings of soap and water.

poison, and pests, against fungus, growths, carpenter ants, termites, and powder post beetles. It is also effective in combating ticks and red mites encountered in farm buildings near and around poultry.

For application of ready-to-use solution, dilute one volume of Chlorophen 49-412 with ten volumes of a petroleum product such as diesel oil, fuel oil, or crank-oil. For further details, see Technical Bulletin SW-h-14.

**PRECAUTIONS:**

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.

**SYMPTOMS OF POISONING THROUGH SKIN - CAUSES SKIN IRRITATION**

Do not get in eyes, on skin or in clothing. Do not breathe vapor or spray mist. Harmful and can be fatal if swallowed, inhaled or absorbed through skin. In case of contact with eyes, flush with water at least 15 minutes. In case of contact with skin, wash immediately with soap and water. Get medical attention. Wash thoroughly after handling. **KEEP OUT OF REACH OF CHILDREN!**

This product will kill fish, keep it out of lakes, streams, and ponds.

**REMARKS:**

**Internal:** Call physician or Poison Control Center immediately. Delay absorption by giving tea water, milk or universal antidote. Toxic substance should be removed by inducing vomiting or by washing out the stomach.

**External:** Eyes--flush with copious quantities of clear water until physician arrives.  
Skin--rinse with rubbing alcohol and follow with repeated washings of soap and water.

**CAUTION:** Seller (whenever manufacturer, distributor or other) makes no warranty, express or implied, regarding this product except the condition as set forth in the adjacent statement herein. Buyer or user assumes all risk of possession, handling or use, whether in accordance with any directions contained herein or not.

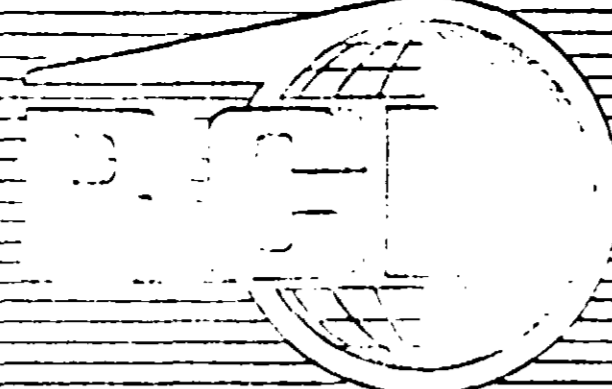
Net Contents: 55 gallons  
U. S. Measure

**A PRODUCT OF**

**REICHHOLD CHEMICALS, INC.**

*"World's Largest Producer of Synthetic Resins"*

TACOMA, WASHINGTON PLANT



# Technical Bulletin

PACIFIC NORTHWEST DIVISION

*Draft Copy*

Bulletin No.  
34-7-14

## CHLOROPHEN 49-412 (42% Technical Grade 10:1 pentachlorophenol Concentrate)

CHLOROPHEN 49-412 provides a 10:1 pentachlorophenol concentrate for use as a wood preservative for the treatment of forest products, such as lumber, plywood, poles, and posts. Diluted CHLOROPHEN 49-412 is an effective termite control functioning both as a soil poison and as a wood preservative. It is useful in the protection of wood against fungus growths, carpenter ants, termites, and powder post beetles. It is also effective in combating ticks and red mites encountered in farm buildings near and around poultry.

### MIXING DIRECTIONS

#### Preparation of Ready-To-Use Solution

To produce a ready-to-use solution of CHLOROPHEN 49-412, dilute one volume of CHLOROPHEN 49-412 with 10 parts by volume of a petroleum product, such as diesel oil, fuel oil, crankcase oil, or similar material. The solution should be stirred until concentrate and diluent are thoroughly blended. The ready-to-use solution prepared by diluting one part CHLOROPHEN 49-412 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 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 5% Technical Grade Pentachlorophenol

The precise dilution ratio to use to produce a ready-to-use solution containing 5% 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)

Bulletin No.  
SW-R-14

*Draft Copy*

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(42% Technical Grade 10:1 Pentachlorophenol Concentrate)

CHLOROPHEN 49-412 provides a 10:1 pentachlorophenol concentrate for use as a wood preservative for the treatment of forest products, such as lumber, plywood, poles, and posts. Diluted CHLOROPHEN 49-412 is an effective termite control functioning both as a soil poison and as a wood preservative. It is useful in the protection of wood against fungus growths, carpenter ants, termites, and powder post beetles. It is also effective in combating ticks and ear mites encountered in farm buildings near and around poultry.

MIXING DIRECTIONS

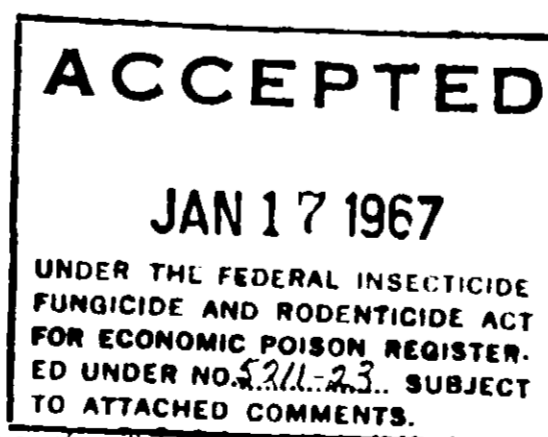
Preparation of Ready-To-Use Solution

To prepare a ready-to-use solution of CHLOROPHEN 49-412, dilute one volume of CHLOROPHEN 49-412 with 10 parts by volume of a petroleum product, such as diesel oil, fuel oil, crankcase oil, or similar material. The solution should be stirred until concentrate and diluent are thoroughly blended. The ready-to-use solution prepared by diluting one part CHLOROPHEN 49-412 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 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 5% Technical Grade Pentachlorophenol

The precise dilution ratio to use to produce a ready-to-use solution containing 5% 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)

Reg. U.S. Pat. Off.



This information is furnished for your information only and does not constitute a contract. It is intended to provide you with a general understanding of the product and its use. The user will evaluate the product and its use in relation to their own specific needs and conditions. The user assumes all responsibility for the use of our products or processes and is not to be held liable for any patent rights or in violation of any applicable laws or regulations.

APPLICATIONS

... be applied to ... at joints and end ... of the wood in the ... for a ... five minutes for each one ... of wooden structures ... the series of immersion ... impractical, several ... be applied. Best ... which all bark has ... before applying ... with seeds, plants, ... 49-412.

... loose wood, ... before applying ... rake and ... 49-412. ... at the rate of one ... contacts ... etc., on concrete ... impractical, earth around ... to a depth of 12 to 18

... foundations, walls, piers, etc., ... previously treated soil. One ... feet of trench. All trees, ... contamination. Suitable ... films should ... to check for reinfestations.

... thoroughly around all ... floor, saving particu- ... of the ready- ... other infested areas. ... to dry for at ... to enter treated

... treated material ... 150°F. -- Pansky-

... of concentrate or diluted ... mist. Harmful ... induces vomiting ... CONTINUE WATER ... water. Keep ... after handling

This product will kill fish, keep it out of lakes, streams, and ponds.

- Internal: Call physician or poison control center immediately. Delay absorption by giving water, milk or universal antacid. Toxic substance should be removed by inducing vomiting or ...
External: Eyes - Flush with copious quantities of clear water until physician arrives. Skin - Wash with rubbing alcohol and follow with repeated washings of soap and water.

CHLOROPHEN 49-412 DATA

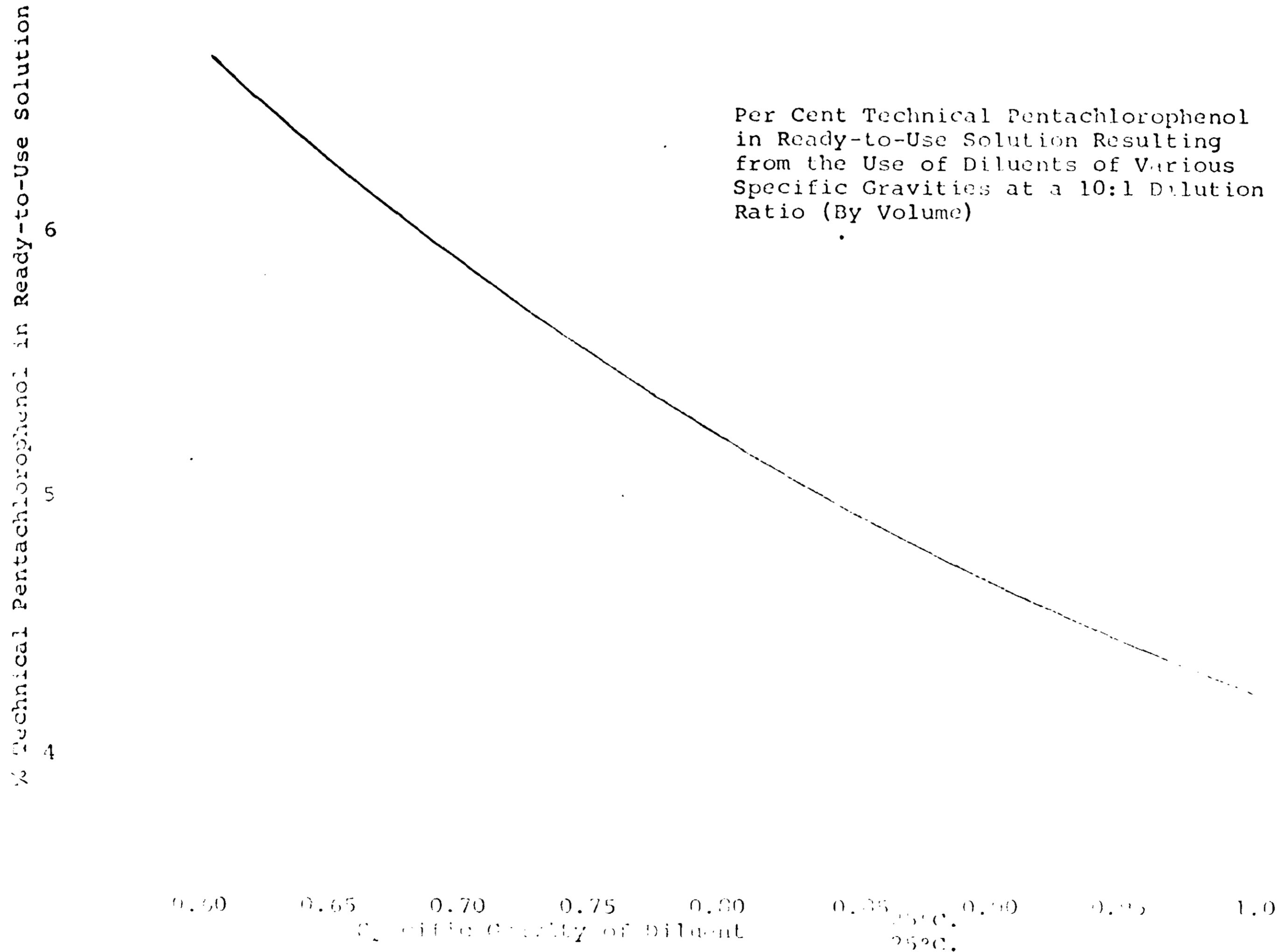


Fig. 1

CHLOROPHEN 49-412 DATA

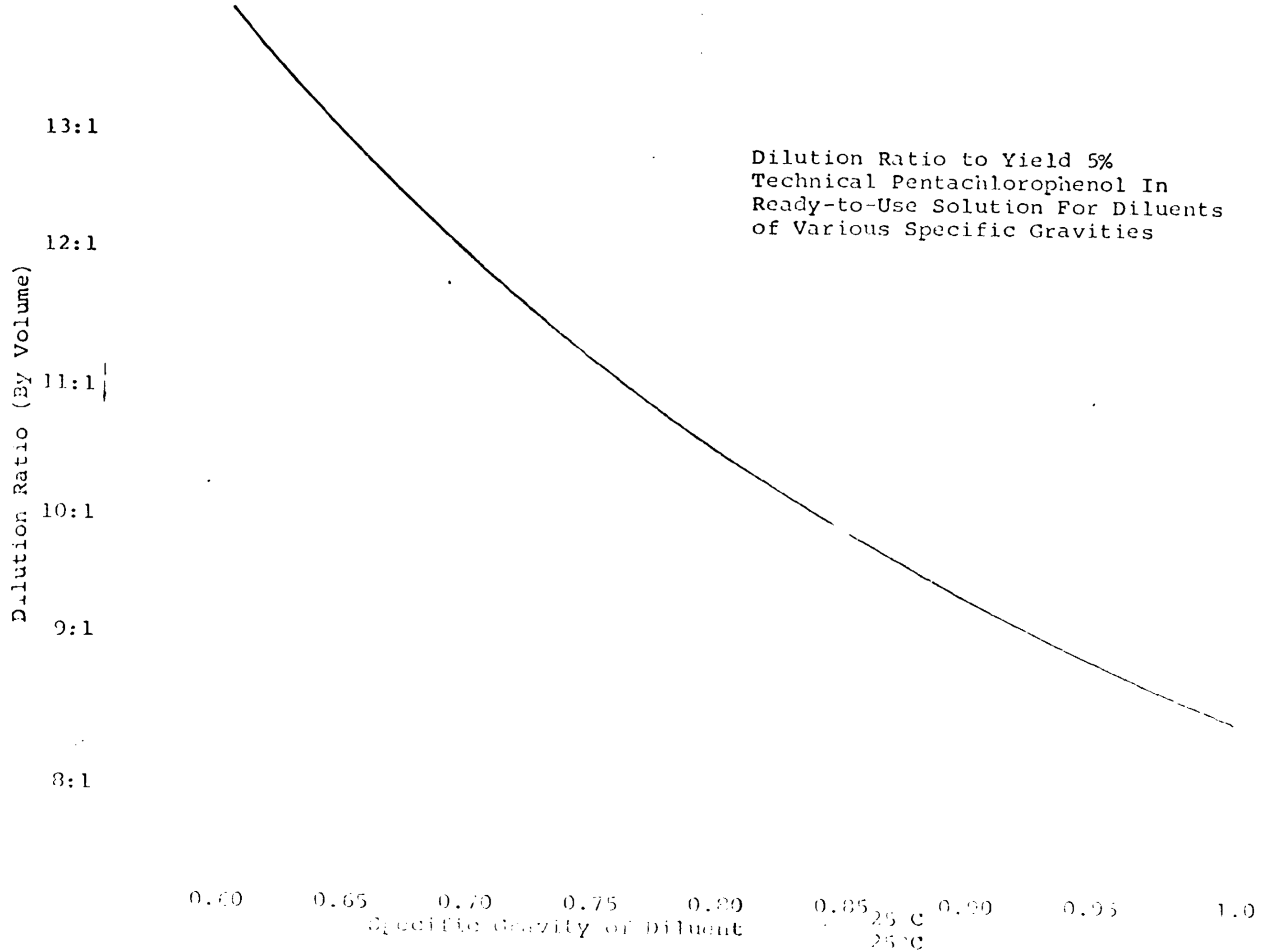


Fig. 2