

# ALIEN PROPERTY CUSTODIAN

## METHOD FOR THE MANUFACTURE OF CONCENTRATED DURABLE FLUID SOLUTIONS CAPABLE OF INJECTION, OF MEDICINAL SUBSTANCES WHICH ARE INSOLUBLE OR NOT EASILY SOLUBLE IN WATER

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No Drawing. Application filed January 9, 1939

It is known to use urethane as a solvent for medicinal substances which are not easily soluble. However, the concentrations containing hydrous urethane solutions are insufficient so that it has been attempted to increase them by other additions. However, even the concentrations containing such auxiliary means do not exceed practically more than 10%.

It has now been found that the dissolving power of urethane can be increased to an extent which was not at all expected, with the aid of alcohols or their esters. It is thus possible to convert barbituric acid derivatives and many other medicinal substances to 15% or more, in durable solutions.

Whilst it is a question of more or less different substances in the additional solvents hitherto used, partly of those with strong pharmacological effect, in the present method, there is substantially no influence on the medicinal substance brought into solution, at the most, only very small quantities of the alcohol or ester are required as the necessary addition.

### Example 1

	Parts by weight
Diethylbarbituric acid.....	18
Ethylurethane.....	62
Ethylalcohol.....	10
Water.....	10

give a durable solution.

### Example 2

	Parts by weight
Phenyl ethyl barbituric acid.....	25
Ethylurethane.....	57
Water.....	7
Glycol.....	11

give a clear, durable and sterilisable solution.

### Example 3

	Parts by weight
Diethylbarbituric acid.....	20
Ethylurethane.....	60
Water.....	7
Ethyl acetate.....	13

give a clear and durable solution. The following also work:

### Example 4

	Parts by weight
Diethylbarbituric acid.....	20
Ethylurethane.....	64
Water.....	8
Amelyne hydrate.....	8

### Example 5

	Parts by weight
Quinine (Base).....	30
Ethylurethane.....	50
Water.....	10
Amelyne hydrate.....	10

### Example 6

	Parts by weight
Quinine (Base).....	25
Ethylurethane.....	50
Water.....	10
Glycol.....	15

### Example 7

	Parts by weight
Camphor.....	30
Ethylurethane.....	50
Water.....	10
Glycol.....	10

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