



# ALPHA CHEMICALS PTY LTD

*Suppliers of Industrial Chemicals*

ABN 29 001 174 741

P.O. Box 657 Dee Why NSW 2099 Australia  
4 Allen Place Wetherill Park NSW 2164 Australia  
www.AlphaChemicals.com.au

Phone +61 2 9982 4622  
sales@alphachem.com.au

## **PRODUCT INFORMATION**

### **ALPHASEAL AC-922**

AC-922 is a liquid slightly acid product and does not contain metal salt additives.

The formulation has been developed to meet the following standards for sealing quality.

EURAS , EWAA	Quality Label
ISO2932	Abitration test Acetic Acid - Sodium acetate test
ISO2143	Colour Drop test Used for quality control in the automobile industry and the Benelux countries.
ISO3210	Assessment of Seal Quality

Thus all the requirements for admittance and weight loss can be met.

## **PREPARATION OF BATH**

Unless the water is particularly hard the bath can be made up with tap water.

The concentration of AC-922 should be 1 – 2 gm per Litre.

The pH should be adjusted to between 5.6 - 5.8 by the use of dilute Acetic Acid (decrease pH) or Ammonia Solution (increase pH), whichever is appropriate.

To ensure uniform composition adequate circulation should be possible in the tank.

## **OPERATING CONDITIONS**

The bath should be operated at 96° – 98°C.

To minimise losses due to evaporation the bath should be covered with polypropylene balls or similar preventative.



# ALPHA CHEMICALS PTY LTD

*Suppliers of Industrial Chemicals*

ABN 29 001 174 741

P.O. Box 657 Dee Why NSW 2099 Australia  
4 Allen Place Wetherill Park NSW 2164 Australia  
www.AlphaChemicals.com.au

Phone +61 2 9982 4622  
sales@alphachem.com.au

## **CONTROL**

Even though AC-922 is well buffered the pH of the bath should be checked with a pH meter daily.

pH adjustments should be made with dilute Acetic Acid (↓) or Ammonia Solutions (↑) as required.

Consumption of AC-922 varies with a number of factors so exact consumption figures have to be determined for each plant. As a guide the consumption should run between 7 – 10 gms AC-922 per sq metre. This can be lowered with good water and attention to pH control.

### **Use in Nickel Acetate Sealing Baths:**

AC-922 used at a concentration of 1 – 2 gms per litre in Nickel Acetate sealing baths can be effective in preventing smut formation.