

# TECHNICAL DATA SHEET



## PATEL CHEMICALS

### UNISTAR ALUMINIUM CLEANER

**Base**

Phosphoric Acid Base Chemical.

**Solubility**

Thoroughly soluble in water.

**Color**

Water White.

**Concentration**

One part of chemical is diluted with nine parts of water.  
Dilution is Depended by the amount of oil present. The chemical is used cold.

**Poin**

Concentrated of 10 % bath Solution gives 12 to 16 ml. Point.

**Application**

This chemical is used whenever parts contain grease, oil and Anodize. This can be used by brush application of immersion. Immersion is preferred To brush application.

**Bath Design**

Tank is made up of 10mm thick. M.S. tank with rubber or F.R.P. lining. For Small components PVC tank can be used. As free Grease floats on the Surface generally tank design is made with large surface area consideration. Lifting tackles are preferably used for handling materials. A bottom outlet With gate valve provided for removal of insoluble impurities. M.S. screen Is provided above the bottom. Outlet so that impurities do not disperse in the Solution. Water inlets are provided at top.

**Packing**

40 Kgs. In PVC container.

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### **WATER RINSE:-**

PROCESS: - Removal of loosened oil of chemical.

In this process the degreased components are immersed for a minute. Air agitation is preferred so that loosened oil will be removed effectively

### **HANDLING, STORAGE AND PRECAUTIONS:**

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Unistar aluminium Clener is a strong acid. Normal precautions during acid handling should be taken. Avoid

contact with eyes and skin. In case of contact, Wash with large quantity of fresh water. Do not swallow.

### **2 :: -TESTING & CONTROL: -**

- Take 10ml. From bath solution & transfer into 100ml. Measuring cylinder, make 100ml. Solution by using 90ml. Fresh water.
- Take 10ml. From 100ml. Measuring cylinder and transfer into conical flask.
- Add 5 to 6 drops of methyl orange indicator & stir it.
- Titrated with 0.1N NaOH (Sodium Hydroxide) solution till end point.
- The end point is the change of Red (Pink) to yellow color.
- This volume of 0.1N NaOH consumed denotes the point.
- Concentrated of 10 % bath solution gives 12 to 16 ml. Point.
- For less every 1 Point add 31 liters of V.CHEM ALM 81. in 1000 liters tank.
- Bath solution should be discarded fully after 5 to 6 months depending up to bath condition.

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