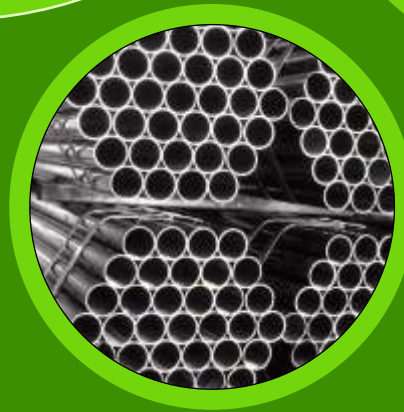


# ELITE AQUACHEM

SPECIALITY CHEMICALS FOR STAINLESS  
STEEL INDUSTRIES



# ELITE AQUACHEM RANGE OF SPECIALITY CHEMICALS FOR S.S. TUBES

## 1. ALKALINE BASED DEGREASING CHEMICAL

### BENEFITS :

- Specialized product for cleaning oil & metallic deposits from hard to clean areas.
- Dissolves the oily layer, loosens and removes the metallic deposits.
- Instant cleaning action.
- Suited for ultrasonic machine.
- Environment safe & bio degradable.

### APPLICATIONS :

- Mix the 5-10% of the concentrate in water thoroughly.
- Subject the solution to the temperature 60-70°C.
- Dip the component in the solution for some time (10-15 minute). Preferably with tumbling action.
- Similarly, rinse with water and air dry the component.

### PRODUCT :

**SUPERCLEAN 150 PLUS** : Alkaline based degreasing chemical. Mix the 5-10% of the concentrate in water thoroughly.

**SUPERCLEAN 195** : Heavy duty alkaline based degreasing chemical for S. S. & M. S. Tubes, Pipe, Bars etc.

## 2. ORGANIC ACID BASED DEGREASING CHEMICAL

### BENEFITS :

- Specialized product for final cleaning of tubes before dispatch. The product is suitable for BI-POLAR system of cleaning.
- Highly economical & instant cleaning action.

### APPLICATIONS :

For the final cleaning of S. S. Tubes before packing and dispatch. Instant cleaning action and gives a shining surface. A ratio of 10-20% in water has to be maintained for the effective cleaning.

### PRODUCT :

**ULTROX 1750** : Mild organic acid based water soluble product, provides excellent cleaning and shining to S. S. Tubes.

**ULTROX 1800** : Strong organic acid water soluble product for cleaning and polishing of S. S. Tubes.

## 3. ALKALINE BASED DESCALING CHEMICAL

### BENEFITS :

- Specialized product for the descaling.
- Dissolves the scales and removes the metallic deposits.
- Contains a blend of excellent oxidizing agent.
- Suited for ultrasonic machine.

### APPLICATIONS :

- Mix the 6-10% of the concentrate in water thoroughly.
- Subject the solution to the temperature 70-80°C.
- Dip the component in the solution for some time (10-15 minute). Preferably with tumbling action.
- Similarly, rinse with water and air dry the component.

### PRODUCT :

**AQUACLEAN 155** :  $\text{KMnO}_4$  based descaling chemical, highly effective in removing hard scale on the tube surface.

## 4. ACID INHIBITOR

### ACID PICKLING INHIBITOR FOR CONTINUOUS PICKLING LINE

### BENEFITS :

- It is the most efficient acid corrosion inhibitor specially designed to protect the best material during the rusting and descaling operations. It is suitable for Hcl and mixture of acids (HF &  $\text{HNO}_3$  mixture).

### APPLICATIONS :

- Mix 0.1-0.3% of SI 400 in the fresh acid bath.
- Further addition of acid during the pickling process requires top off of SI 400 as per the recommendations.

# ELITE AQUACHEM RANGE OF SPECIALITY CHEMICALS FOR S.S. WIRE PLANT

## 1. INLINE CLEANING CHEMICAL BEFORE ANNEALING

### BENEFITS :

- Specialized product for cleaning oil & metallic deposits from hard to clean areas in S.S. wire.
- Highly economical & instant cleaning action.

### APPLICATIONS :

- For cleaning of S. S. & M. S. wire after drawing.
- A ratio of 90:10 to 80:20 of AQUACLEAN 100 & SAFECLEAN has to be maintained.

### PRODUCT :

**AQUACLEAN 100** : Organic acid based degreasing agent for S.S. Wires (200,300 & 400 SERIES).

**SAFECLEAN** : Ecofriendly solvent based sludge remover.

## 2. FINAL WIRE CLEANING CHEMICAL

### BENEFITS :

- Specialized product for final cleaning of wires before dispatch. The product is suitable for BI-POLAR system of cleaning.
- Highly Economical & instant cleaning action.

### APPLICATIONS :

For the final cleaning of S.S. wire before packing and dispatch. Instant cleaning action and gives a shining surface.  
A ratio of 10% to 20% in water has to be maintained for the effective cleaning.

### PRODUCT :

**ULTROX 1750** : Mild organic acid based water soluble product, provides excellent cleaning and shining to S.S. Wires.

**ULTROX 1800** : Strong organic acid water soluble product for cleaning and polishing of S.S. wires.

## 3. ACID INHIBITOR

### BENEFITS :

#### ACID PICKLING INHIBITOR FOR CONTINUOUS PICKLING LINE

- It is the most efficient acid inhibitor specially designed to protect the base material during the derusting and descaling operations. It is suitable for Hcl and mixture of acids (HF & HNO<sub>3</sub> mixture).

### PROCEDURE :

- Mix 0.1-0.3% of SI 400 in the fresh acid bath.
- Further addition of acid during the pickling process requires top off of SI 400 as per the recommendations.

# ELITE AQUACHEM RANGE OF PASSIVATION CHEMICALS FOR GALVANIZING UNITS

### BENEFITS :

- Specialized product for the passivation of H.D.G. & Zinc plated components.
- Forms a clear & transparent coating on H.D.G. & Zinc plated steel.
- Provides excellent corrosion protection.
- Prevents white rust on galvanized surface.
- Highly economical due to high dilution ratio.

### PROCEDURE :

- Prepare 1-2 % of AQUACHROME PASSI 100 solution in RO water or DM water.
- Dip the hot dip galvanized components after quenching for 1 minute.
- Air dry the component.

### PRODUCT :

**AQUACHROME PASSI – 100** : Trivalent chrome based passivation chemical

**AQUACHROME PASSI – 300** : High chrome content trivalent chrome based passivation chemical

# ELITE AQUACHEM RANGE OF SPECIALITY CHEMICALS FOR S.S. FASTENER

I. EPOLISH 200 : ORGANIC ACID BASED ELECTRO POLISHING CHEMICAL FOR ULTRA BRIGHT FINISH.

II. PROCESS FLOW CHART FOR THE POLISHING OF S. S. FASTENERS AS PER ASTM A 380/967.

## 1. DEGREASING PROCESS :

CHEMICAL NAME : SUPERCLEAN 150 .

CONCENTRATION : 6-7 %

TEMP : 60-70°C

CYCLE TIME : 10-15 MINUTES

## 2. DESCALING PROCESS :

CHEMICAL NAME : AQUACLEAN 155

CONCENTRATION : 7-8%

TEMP : 70-80°C

CYCLE TIME : 10-15 MINUTES

## 3. ACTIVATION PROCESS :

CHEMICAL NAME : AQUACLEAN 160/165

CONCENTRATION : 8%/2%

TEMP : ROOM TEMPERATURE

CYCLE TIME : 10-15 MINUTES

## 4. POLISHING PROCESS :

CHEMICAL NAME : AQUAPOLISH 170

CONCENTRATION : 3%

TEMP : ROOM TEMPERATURE

CYCLE TIME : 10-15 MINUTES

ALL ABOVE FOUR PROCESSES ARE BACKED BY WATER RINSE (2-3 MINUTES)

## 5. WAXING PROCESS :

CHEMICAL NAME : AQUAWAX 175

CONCENTRATION : 10-15%

TEMP : 60-70°C

CYCLE TIME : 2-3 MINUTES



MANUFACTURED BY :

**ELITE AQUACHEM**

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