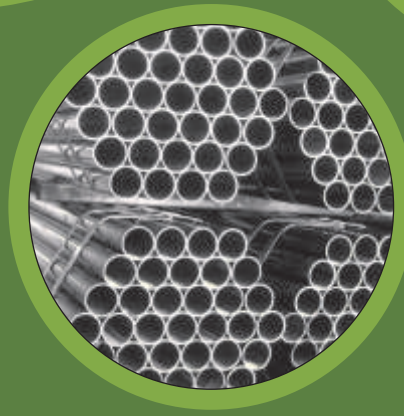


ELITE AQUACHEM

SPECIALITY CHEMICALS FOR STAINLESS
STEEL INDUSTRIES



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 & HNO₃ 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. 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 : 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 & 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. 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 : 5-8%
TEMP : 60-70°C
CYCLE TIME : 10-15 MINUTES

2. DESCALING PROCESS :

CHEMICAL NAME : AQUACLEAN 155 .
CONCENTRATION : 6-7%
TEMP : 70-80°C
CYCLE TIME : 10-15 MINUTES

3. ACTIVATION PROCESS :

CHEMICAL NAME : AQUACLEAN 160/165
CONCENTRATION : 4-2%
TEMP : ROOM TEMPERATURE
CYCLE TIME : 10-15 MINUTES

4. POLISHING PROCESS :

CHEMICAL NAME : AQUAPOLISH 170
CONCENTRATION : 2.5%
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 :

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