BC-1105 Steel electrolysis degreasing powder

Description:

1. BC-1105 is an alkaline and high-performance electrolytic degreasing agent, which can effectively remove all organic and passivation films on the surface of the metal, thereby improving the appearance of electroplating and obtaining a glossy and uniform coating. It has superior penetration into deep depressions.

Features and advantages

Features	Advantages
1. High conductivity	1. Quickly remove dirt and obtain a glossy appearance
2. Superior cleaning ability	2. Easy to clean, remove organic film
3. No excessive bubbles	3. No hydrogen explosion, less output

Application:

BC-1105 is recommended for oily steel because of its unique wetting system. In cases where the solution surface area of the cleaner tank is small and the current requirements (amperes/gallon) are high, a foam blanket produced by BC-1105 allows the normally developed gasses to escape without exploding.

BC-1105 may be used to strip chromium from nickel plated work.

Operating conditions& Equipment:

Tank and heater	Steel
Concentration	60-120 g/L
Temperature	71-88℃
Time	1-3 mins

Electrolysis	Anode
Voltage	6-9V
Cathode plate	Stainless steel (nickel plated steel plate)

In order to exert the degreasing effect during operation, the current density should not be lower than 2.7A/dm. The advantage of anode electrolysis is that it can remove the dirt film, improve the smoothness and corrosion resistance of the metal surface, and reduce the problem of poor adhesion of the coating. The electroplating process has good adhesion and gloss, it is necessary to completely eliminate the dirt and passivation film on the metal surface, and use nickel-plated steel as the cathode plate, and regularly clean the deposits on the electrode plate.

Make-up:

1. Thoroughly clean the tank with tap water.

2. Add pure water to 2/3 level and heat to 50°C.

3. Slowly add BC-1105 and stir to dissolve it (please wear protective gear and pay attention to safety)

4. Reheat to operating temperature.

5. It can be used when the analysis is correct.

Troubleshooting:

1. When operating electrolytic degreasing, please pay attention to the selection of electrode position to ensure the degreasing effect.

2. Improper control of the following factors will cause scorching:

a. Temperature or concentration is too low

b. Voltage is too high

c. Current density is too high

d. Degreasing agent composition and metal substrate are inappropriate

Analysis method:

1. Take 10 ml sample from the tank in a 250 ml Erlenmeyer flask, and then dilute it with 50 ml pure water.

2. Add 3-5 drops of PP indicator 3. Titrate with 0.5N HCl solution until the light red disappears as the end point.

4. Record the titration ml of 0.5N HCL

5. Calculation:

The above titration mL of 0.5N HCl × 2.7 = g/L of BC-1105

Precautions:

BC-1105 is a dry alkaline substance, so it must be separated from acidic substances during storage. Please wear goggles or protective clothing when adding medicine. If it comes in contact with the skin, rinse immediately with plenty of water and send to a doctor immediately.

Wastewater treatment:

BC-1105 is alkaline, does not contain phosphate, and is easily biodegraded. When the waste liquid is neutralized with acid to pH 6-8, it can be released.

Ordering information:

product	product number	Packaging

Steel electrolytic degreasing powder	BC-1105	25kg/bag