

BC-1102 Chemical degreasing powder

Description:

1. It has superior penetration into deep depressions.
2. Quick wetting of oily metal surfaces.
3. Quickly and effectively remove the grease layer on the metal.
4. Complete and rapid emulsification to remove oil stains.

Because oil and grease are emulsified, they will not accumulate on the surface of the detergent solution. When the workpiece is removed from the cleaning tank, the oil will not re-deposit on the workpiece.

Foam and curd will not be formed in BC-1102 solution, even hard water will not affect the effect of BC-1102.

BC-1102 solution has extraordinary processing ability, can emulsify a large amount of oil and grease, make them dispersed in the solution, ensure the life of the solution, and then wash away the remaining oil.

Application:

BC-1102 is mainly used to soak and clean steel. It can also be used to clean brass and copper. At the same time, it will not make these substrates lose their luster.

BC-1102 can effectively remove oil stains, including strongly attached compounds, rust, etc.

In the manufacture of printed circuit boards(PCB), BC-1102 is widely used to clean the copper surface of the substrate that has been drilled before electroplating copper or chemical copper. BC-1102 still has a good effect at a low temperature of 150° F (66° C), and it has a superior emulsifying effect. When the drum is used, the operating temperature will be limited, and it is an ideal material for drum cleaning.

In order to ensure the removal of the emulsified oil remaining on the metal, it must be washed with good water to reduce the pollution caused by the subsequent electrolytic degreasing or acid leaching solution.

BC-1102 is fully compatible with Bigely electrolytic degreasing agent and used in the process at the same

time, there is no washing problem, and the degreasing effect of electrolytic degreasing is not reduced.

Features and advantages

Features

1. High penetration
2. High-speed wetting of metal surfaces
3. Efficiently soften grease
4. Completely remove and emulsify oil
5. long life
6. Excellent low temperature cleaning
7. Electrolytic degreasing compatible
8. Excellent cleaning agent before phosphating
9. Simple control

Advantages

1. There is still a good cleaning effect for places that are not easy to clean, so that a good coating can be obtained

2. High-speed wetting of metal surfaces Fast action-shorten cleaning time-reduce costs
 3. Efficiently soften grease and shorten cleaning time
 4. Completely remove and emulsify oil stains, oil stains will no longer adhere to the workpiece, the cleaning effect is good, and the heavy work rate is reduced
 5. Economical, low frequency of changing slots
 6. Applicable roller, with or without current, will not shorten its service life
 7. Electrolytic degreasing compatible can extend the life of electrolytic degreasing agent
 8. Excellent cleaning agent before phosphating, compatible with all phosphating process, no special cleaning agent is required
- Reduce inventory
10. Simple control and simple test series without complicated laboratory

Make-up Procedures

When making up a fresh solution of BC-1102, slowly add the full amount of cleaner to a tank 3/4 full of warm water. Heat the solution to 65°C (150°F) and agitate. Add the remainder of the water and adjust to the desired temperature. This procedure will insure complete solubility

Operating conditions:

Concentration	8-12oz/gal (60-90g/L)
Temperature	150-210°F (66-99°C)
Clean Time	1-5mins
Equipment, tanks and heaters steel	Steel

Control Procedure:

1. Bigley test factor

$$BC-1102 = 0.80$$

The test error range is within 10%. If more accurate results are required, titration analysis is used.

2. . Titration analysis

- a. Use a pipette to transfer 10ml of bath solution to a 250ml Erlenmeyer flask and dilute with 50ml of water.
- b. Add 3-5 drops of phenolphthalein indicator.
- c. Titrate with 0.5N standard hydrochloric acid solution until the pink color disappears.
- d. Calculaion:

$$\text{ml.0.5N. HCl} \times 0.52 = \text{oz/gal .BC-1102}$$

$$(\text{ml.0.5N. HCl} \times 3.90 = \text{g/L.BC-1102})$$

Safety warning:

BC-1102 is a dry alkaline substance and should be stored in a dry place away from acid. If the substance is spilled, sweep away the dry powder and rinse with cold water. Wear gloves, goggles and protective clothing during operation. Rinse the contact area with clean cold water, and seek medical attention for injuries.

If BC-1102 splashes into eyes, immediately rinse with cold water for 20 minutes and seek medical attention. Splash on clothes or skin, remove clothes, rinse with cold water for 20 minutes, and seek medical attention.

Standard Backage:

25KG/bag