

BC-19

Multi-Metal Soak Cleaner

DESCRIPTION:

BC-19 is a mildly alkaline metal cleaning compound with an efficient surfactant system. Designed especially as a non-etch soak cleaner for aluminum, it is very effective on copper, brass, zinc, lead and ferrous metals as well. It is an excellent remover of tar, pitch, marking inks, drawing compounds, including the heavy wax types, as well as normal shop soils.

BC-19, is exceptionally effective for removing soluble oils and coolants.

Typical Uses for BC-19

1. Cleaning aluminum prior to painting, anodizing, or spot welding.
2. Removing stenciling inks from aluminum.
3. Soak cleaning steel prior to electrocleaning or phosphating.
4. Soak cleaning zinc base die castings.
5. Removing emulsion films.
6. cleaning multi-alloy assemblies such as automobile engines, bearing assemblies, etc.
7. Burnishing compound for all metals.
8. Cleaning operations where more than one metal must be cleaned in the same solution.
9. Removal of light mill oils from aluminum prior to further processing or plating. **BC-19** will not haze polished aluminum.
10. In-process cleaning between fabricating operations.

Free Rinsing

BC-19 rinses freely.

FEATURES

1. Versatility, an all purpose non-etch soak cleaner - safe on common metals
2. Completely soluble in water
3. Complete rinsing
4. Unusual soil removal (i.e. silicon grease)
5. Long bath life
6. Non-toxic
7. Low alkalinity

**OPERATING
CONDITIONS:**

Use at concentration from 45-75 g/L (6-10 oz/gal) in steel equipment (tank and coil) at temperatures of 49-93°C (120-200°F). **CAUTION:** Avoid using excessive air agitation or vigorous boiling or high foaming will result.

Cleaning time may be 1-10 minutes depending on the type and amount of soil.

A cold or warm water rinse (49-60° [120-140°F]) may be used. Cleanliness is highly important; therefore, rinse tank should be overflowing.

**ANALYTICAL
CONTROL:**

Alkaline Test Kit Procedure - 1 ml sample, J-2 solution

Factor (gm/l) = 20.0

Factor (oz/gal) = 2.3

drops J-2 solution x factor = Concentration BC-19

By Titration:

- a) Pipette a 25 ml sample into a 250 ml Erlenmeyer flask, and dilute with 50 ml H₂O.
- b) Add 3-5 drops phenolphthalein indicator solution.
- c) Titrate with 0.5 normal hydrochloric acid until pink color just disappears.
- d) Factors: 4.9 gm/l (0.65 oz/gal).

Calculation:

ml of 0.5N HCl x 4.9 = g/L BC-19

ml of 0.5N HCl x 0.65 = oz/gal BC-19

**SAFETY &
WARNING:**

Bigely, Inc. recommends that the company/operator read and review the Bigely Material Safety Data Sheets for the appropriate health and safety warnings before use.

CAUTION: BC-19 is an alkaline material. Protect the eyes and skin during make-up and operation. Wear goggles and protective clothing. Flush exposed areas with clean cold water. Consult a physician in case of injury.

Material Safety Data Sheets are available from Bigely, Inc.

**WASTE
TREATMENT:**

Prior to using any recommendations or suggestions by Bigely, Inc. for waste treatment, the user is required to know the appropriate local/state/federal regulations for on-site or off-site treatment which may require permits. If there is any conflict regarding our recommendations, local/state/federal regulations take precedent.

Solutions of BC-19 are alkaline and should be neutralized with a weak acid to a pH between 6 and 8 before discharging.

ORDER

Product

Product Code

Container

INFORMATION:

Multi-Metal Soak Cleaner

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25kg/bag