Product Bulletin

Product Name: Hubbard-Hall Cleaner 187 B
Product Code: 20002002
Revision Date: January 23, 2024

Hubbard-Hall™ Cleaner 187 B

Hubbard-Hall Cleaner 187 B is a heavy-duty non-etch alkaline soak cleaner for aluminum and alloys. The Hubbard-Hall Cleaner 187 B will remove oily soils as well as the identification inks (red, blue, and black) with ease and without attacking the aluminum.

Hubbard-Hall Cleaner 187 B is a two-package cleaner. One (1) gallon of liquid additive Lusterbrite 60-L is packaged, within the drum, with the 390 lbs. of powdered material.

While Hubbard-Hall Cleaner 187 B was developed specifically for cleaning aluminum alloys, it may also be used as an immersion cleaner for: Copper, brass alloys, bronze alloys, zinc die castings, ferrous metals, stainless steels, titanium alloys, magnesium alloys, and nickel clad stock.

When cleaning zinc die-casting does not exceed 140°F

The original name assigned to Hubbard Hall Cleaner 187 B was AHCO 187B.

Features & Benefits

Heavy duty non-etch alkaline soak cleaner for aluminum	Removes oily soils without attacking aluminum
Also functions as immersion cleaner	Cleans copper, brass, bronze, zinc ferrous metals, magnesium, and nickel clad stock

Operating Conditions

Concentration	4 – 10 oz/Gal (30 – 75 g/L) Hubbard-Hall Cleaner 187 B For every 100 lbs. of Hubbard-Hall cleaner 187 B powder, add 1 quart of the liquid additive.
Temperature range	160°F – 190°F (71°C – 88°C)
Immersion time	1 – 8 min

Equipment	Mild steel tanks and heating coils

Note: Hubbard-Hall Cleaner 187 B should never be carried directly into an alkaline etchant. The work must always be rinsed prior to alkaline etching.

Titration Method

1. Pipette 10 mL sample of cleaner solution into a 250 mL Erlenmeyer flask and dilute to 100 mL with water.
2. Add 5 to10 drops of Methyl Orange indicator.
3. Titrate with 0.5 N Hydrochloric Acid until the solution turns red.
4. Record mL used.

Calculation

Factor (oz/Gal) 0.67
Factor (g/L) 5.00
Concentration = mL 0.5 N HCl x Factor

Test Kit Method

1. Fill sample bottle ¼ full of water. Using the syringe, transfer a ½ mL sample of Hubbard-Hall Cleaner 187 B into the sample bottle.
2. Add 5 to 10 drops of Methyl Orange indicator.
3. Add 0.72 N Hydrochloric Acid dropwise until the color changes from yellow to an orange-red endpoint.
4. Record the number of drops used.

Calculation

Factor (oz/Gal) 0.80
Factor (g/L) 6.0
Concentration = # Drops 0.72 N HCl x Factor

Waste Disposal

Discharge cleaner solution to a disposal unit and neutralize with a mineral acid to a pH between 6.0 to 8.0 In order to be completely informed on the latest regulations for your area, please contact the local authorities.

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Our People. Your Problem Solvers.

For more information on this process,
please call us at 203.756.5521 or email: techservice@hubbardhall.com

Hubbard-Hall holds certifications for **ISO 9001:2015**, Responsible Distribution, as accredited by the **ACD** (Alliance for Chemical Distributors) and as a **Women-Owned Small Business**, as well as maintaining an association with **Omni-Chem**[136].