Product Bulletin
Product Name: Acid Brite 50
Product Code: 2541000
Revision Date: December 14, 2023

Acid Brite 50

Acid Brite 50 is an acid cleaner and deoxidizer for aluminum and stainless-steel surfaces. It contains a blend of inorganic acids, surfactants and solvents to remove heavy soils quickly and effectively. It may also be used on copper alloys.

Acid Brite 50 is extremely free rinsing and may be used in soak or spray applications. It is safe when used as directed and all surfactants used in Acid Brite 50 are biodegradable.

Features & Benefits

Liquid	Easy to meter Rapid mixing
Multiple mineral acids	Rapid oxide and tarnish removal shorter cycle times
High detergency	Clean and deoxidize in one step Higher productivity

Physical Data

Specific gravity (70°F)	1.25 – 1.30
Solubility in water	Complete
Appearance and odor	Slight pink tint, mild acidic odor
pH	< 1.0

Typical Applications

- In truck washing to brighten rails and bare aluminum
- In any chemical processing line where aluminum needs to be deoxidized
- For deoxidizing copper and brass, immersion, or strip processing
- Stainless Steel cleaning and activation

Operating Conditions

Spray
Use at 2% to 15% by volume and always work from the bottom up in both the cleaning and rinsing operations.

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Soak
Use at 5% by volume to full strength.

Note: Do not allow the product to dry on work surface. Acid Brite 50 will etch glass, especially if allowed to dry. Do not use this product on chrome, tin, galvanized, or magnesium. Always wear protective gloves when using Acid Brite 50.

Equipment
Plastic containers must be used. Tanks should be vented.

Test Kit Method

10 mL	Graduate Cylinder
125 mL	Disposable Beaker
2 oz	Dropping bottle Phenolphthalein Indicator
4 oz	Dropping bottle 12.0 N Sodium Hydroxide

Procedure
1. Transfer 10 mL of the Acid Brite 50 solution to the 125 mL beaker with the graduate cylinder.
2. Add 10 mL of tap water to the beaker.
3. Add 5 to 8 drops of the Phenolphthalein indicator to the beaker.
4. While swirling the solution in the beaker, add the 12.0 N Sodium Hydroxide dropwise, counting the drops.
5. Continue adding the Sodium Hydroxide until the solution turns pink.
6. Record the number of drops.

Calculation

Concentration = # Drops 12.0 N NaOH x 0.77

Caution

Strong acid. Avoid contact with skin or eyes. Not to be taken internally. Contains fluorides. Read and understand OSHA safety data sheet prior to using or working with this product. People handling and working with this product should be properly trained in safe handling and use of corrosive liquid acids. Eye wash and safety shower should be readily accessible in areas in which this product is used, handled and stored.

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