Toner ABF - 45

Fluoride Surface Activator/Detergent

ABF-45 is a fluoride additive for use in metal treating and processing baths. Used as an activator to brighten non-ferrous metals such as zinc /galvanize and aluminum in both acidic and alkaline solutions. Provides extra detergency to lift carbon, smut, and oxides.

Contains fluorides which help accelerate zirconium and phosphating conversion coating baths when processing zinc/galvanize, and aluminum surfaces in an immersion process. ABF-45 is used as an additive to promote surface conversion treatment or conditioning on non-ferrous metals.

Note, in many cases the conversion coatings baths contain fluoride. This would be used where the fluoride is only needed periodically or a higher demand for fluoride has been determined to be beneficial.

Features & Benefits

- Highly active fluoride for effective surface activation.
- Easily controlled in the process bath by simply instrument probe readings.
- Can also be used as an effective bright dip for zinc & aluminum alloys.
- Moderate Foaming Detergents to help clean surfaces of contaminants.
- ABF-45 is acidic.
- When adding to an alkaline system replenish alkalinity as needed based on titration testing of your bath.
- ABF-45 will neutralize some of the alkalinity in the bath.

Physical Data

pH	< 2.0
Product Type	Liquid
Spec. Gravity	1.07
lbs./gal.	8.92
Foam, 0 = Low, 9 = High	9
Shelf-Life Years	10 years
Freeze Information	Not damaged by freezing.

Typical Processing

1. When added to an alkaline or acidic cleaning bath, make additions based on the demand of the process. Larger surface areas to be de-smutted will require more additive. Example: Start at 1/4% and add as needed
2. An addition of 0.1 - 0.3% by volume in a typical iron or zinc phosphate coating bath will activate the bath to promote surface coating and treatment on zinc, galvanize and aluminum alloys.

Aluminum desmutt - bright finish rinse activator:

1. Concentration: ABF-35: 2-4% by volume,
2. Temp: 90 - 120 F. (depending on provided time in wash rinse stage)
3. Time: 30 - 120 seconds (depending on alloy, line speed.)

Packaging

Container Type	Poly
Net Units	490
Tare Wt.	25 lb.
Gross Wt.	515
DOT_Name	UN 2817, Ammonium Hydrogen Difluoride Solution, 8, PG II.
DOT Hazard	Corrosive.
Tarriff ID	

Use Parameters

Concentration Range	0.1 – 0.5%
Temperature Range	
Time Range	
Agitation	

Waste Disposal

Contain and dispose in accordance with local rules.

Holding Tank Materials of Construction

Acid resistant, stainless, or poly.

Other Information

It is important that the OSHA DATA, "Material Safety Data Sheet" be carefully read and reviewed with the users of this product. OSHA data is required to be posted in the work area by law.

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For more information on this process,
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