



Product Bulletin

Product Name: TONER ABF-25, ADDITIVE +PH

Product Code: 2202929

Revision Date: September 22, 2025

TONER ABF-25, ADDITIVE +PH

FLUORIDE SURFACE ACTIVATOR PH 5.0

ABF-25 is a fluoride additive for use in metal treating and processing baths. Used as an activator to brighten non-ferrous metals such as zinc and aluminum in both acidic and alkaline solutions. Lifts carbon smut and oxides.

Contains fluorides which help accelerate phosphating baths when processing zinc, galvanize and aluminum surfaces.

ABF-25 is used as an additive to promote surface conversion treatment or conditioning on non-ferrous metals.

Features & Benefits

Highly active fluoride for effective surface activation.

Can also be used as an effective bright dip for zinc & aluminum alloys also.

ABF-25 is mildly acidic (ph 5.0~). When adding to an alkaline system replenish alkalinity as needed based on titration testing of your bath if needed. ABF-25 will neutralize some of the alkalinity in the bath.

Physical Data

pH	5.0
Product Type	Liquid
Spec. Gravity	1.078
lbs./gal.	8.99
Foam, 0 = Low, 9 = High	0
Shelf-Life Years	10 years
Freeze Information	Not Damaged by Freezing



Product Bulletin

Product Name: TONER ABF-25, ADDITIVE +PH

Product Code: 2202929

Revision Date: September 22, 2025

Typical Processing

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 on demand.

An addition of .1-.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

ABF-25 is an effective activator for difficult steel surfaces also.

A 1% ADDITION WILL PROVIDE 800 PPM AS FLOURIDE. 2-2016 / ROS

Packaging

Container Type	Poly
Net Units	491
Tare Wt.	25
Gross Wt.	520
DOT_Name	Not regulated by DOT.
DOT Hazard	Not regulated.
Tarriiff ID	N/A

Use Parameters

Concentration Range	.1-5% by Volume of bath
Temperature Range	Per system
Time Range	Per system as Determined
Agitation	Per System as Determined

Waste Disposal

CONTAIN METALS, FATS, OILS, AND GREASE.

Holding Tank Materials of Construction

ACID RESISTANT, STAINLESS OR POLY



Product Bulletin

Product Name: TONER ABF-25, ADDITIVE +PH

Product Code: 2202929

Revision Date: September 22, 2025

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.

WARRANTY: HUBBARD-HALL INC. IS NOT RESPONSIBLE FOR THE MISUSE, MISAPPLICATION, OR MISHANDLING OF THIS PRODUCT. SEE THE TERMS AND CONDITIONS OF SALE ON OUR WEBSITE FOR ADDITIONAL TERMS AND CONDITIONS CONCERNING OUR PRODUCTS, INCLUDING BUT NOT LIMITED TO, LIMITATIONS AND DISCLAIMERS OF WARRANTIES AND LIABILITIES.

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.