



Product Name: **Additive F**
 Category: **Aluminum Brightening**
 Order Code: **ADDF**

METAL FINISHING PRODUCTS

Source: Aurora, NC

Alternate Names: Ammonium Sulfate, Fume Suppressant, Bright Dip Fume Suppressant, Metal Finishing Additive, Bright Dip Additive page 1 of 1

DESCRIPTION

Additive F is a crystalline product used as a fume suppressant (ammonium sulfate). It is used in formulating many of PotashCorp's Aluminum Bright Dip products. It may also be added "as is" directly to an operating bright dip bath to significantly lower the emission of NOx fumes.

POTASHCORP PURIFIED PHOSPHATES PRODUCT CODES
ADDF

PHYSICAL COMPOSITION	
CHEMICAL NAME(S)	% BY WEIGHT
Ammonium Sulfate	95 - 99

PACKAGES 165 lb. drums

SHIPPING Refer to MSDS

SAFETY, STORAGE & HANDLING Refer to MSDS

APPLICATIONS & OPERATING GUIDELINES

Application – Additive F may be used to significantly lower the emission of NOx fumes produced from a high temperature chemical bright dip containing nitric acid.

Addition – Additive F should be added directly to the operating bright dip bath. Although no dilution is necessary, making a slurry with water will increase solubility and allow for faster dissolution in the bath.

Operation – 1 drum (165 lbs.) of Additive F contains enough fume suppressant to raise the Nitrogen (as %N) of a 1000 gallon bright dip bath by 0.24%. See the example below:

1. If a 1000 gallon bright dip bath is currently at 0.10% N, adding 1 full drum of Additive F will bring the %N level in the bath to 0.34% (0.24 + 0.10%).

For further information or technical assistance, please contact:

PCS Sales Customer Service
 1101 Skokie Blvd.
 Northbrook, IL 60062
 1-800-654-4514

Technical Services
 PO Box 48, 1530 NC Hwy 306 South
 Aurora, NC 27806
 1-866-208-0931

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