



1000 Western Drive  
Brunswick, OH 44212  
PHONE: 330/225-3200  
FAX: 330/225-1499  
www.columbiachemical.com

# COLZINC ACF FUME SUPPRESSOR-II

TECHNICAL DATA  
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## COLZINC ACF FUME SUPPRESSOR-II *FOAMING AGENT FOR ALKALINE ZINC PLATING BATHS*

- ACF FUME SUPPRESSOR-II is an extremely long lasting, very potent foaming agent for use in barrel and rack alkaline cyanide and cyanide-free zinc plating baths.
- ACF FUME SUPPRESSOR-II forms a tight, densely packed bubble configuration, which eliminates the caustic spray at the surface of the bath.
- ACF FUME SUPPRESSOR-II is specially formulated for stability in high caustic baths as well as in baths which operate at elevated temperatures.
- ACF FUME SUPPRESSOR-II will not set-up on exiting parts eliminating the possibility of staining caused by most competitive foam blankets.
- ACF FUME SUPPRESSOR-II will foam like crazy and lasts a long, long time!

### OPERATING INSTRUCTIONS

Due to the incredible foaming potential of COLZINC ACF FUME SUPPRESSOR-II, it is initially used at only 1/2 to 1 pint per 5,000 gallons (250 ml to 500 ml per 20,000 liters) of plating solution. It is suggested that initial additions be made on the lean side.

Daily additions should be made at a sufficient rate to maintain the desired foam layer on the bath. (Typically 1/8 - 1/4 inch of foam is sufficient).

COLZINC ACF FUME SUPPRESSOR-II should be diluted with at least equal parts water to allow for more even distribution over the entire plating bath.

COLZINC ACF FUME SUPPRESSOR-II is completely compatible with all Columbia Chemical alkaline cyanide and cyanide-free zinc plating additives. Caution should be used when using this product with competitive systems. Testing should be done prior to incorporating ACF FUME SUPPRESSOR-II into competitive systems.

## HANDLING & STORAGE

Use normal precautions when handling COLZINC ACF FUME SUPPRESSOR-II - wear protective clothing, rubber gloves, and adequate eye protection. As with most chemicals, use in well ventilated areas. Working plating baths employing COLZINC ACF FUME SUPPRESSOR-II are of course highly alkaline, and all the customary precautions associated with the use of highly alkaline solutions should be observed.

COLZINC ACF FUME SUPPRESSOR-II is stable on standing and has a shelf life in excess of two years. It should be stored above 40° F (4.5° C).

FREEZABILITY: As with most chemical products, it is preferable that freezing be avoided. However if freezing should occur during transportation or storage, directions for handling the products covered in this technical data sheet are as follows:

If COLZINC ACF FUME SUPPRESSOR-II freezes, simply allow the container to completely thaw and bring to room temperature of 70-75F/ 21-24C. Thoroughly mix to bring back to original condition.

## NON-WARRANTY

The data contained in this bulletin is believed by Columbia Chemical Corp. to be accurate, true and complete. Since however, final methods of use of these products are in the hands of the customer and beyond our control, we cannot guarantee that the customer will obtain the results described in this bulletin, nor can we assume any responsibility for the use of this product by the customer in any process which may infringe the patents of third parties.