



PRODUCT INFORMATION

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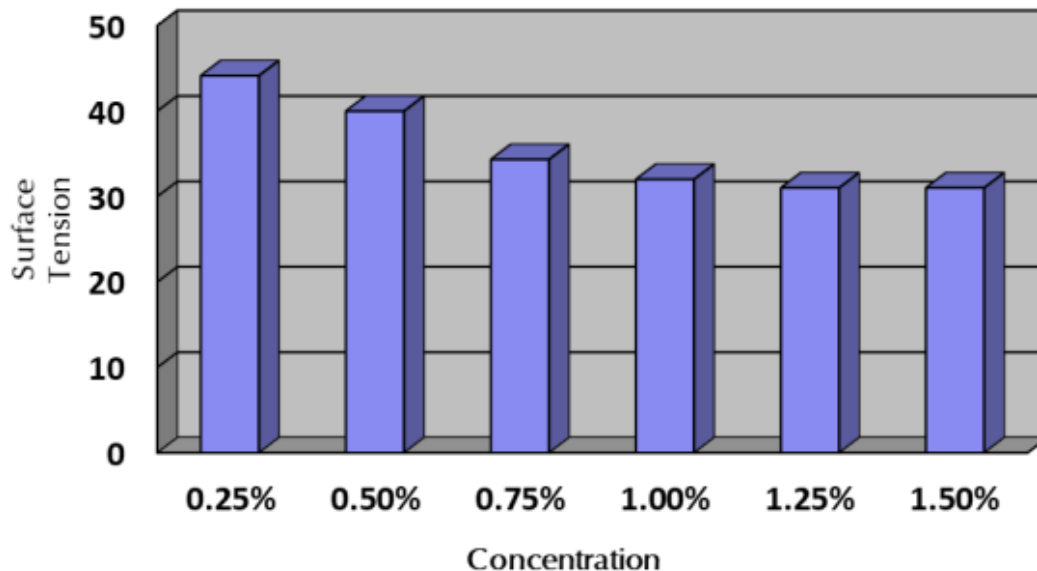
MARTRON FCA

Fume Suppressant for Chrome Solutions

Introduction:

Martron FCA non-PFAS fume suppressant is designed to help meet the requirements of the EPA Chromium Plating NESHAP (National Emission Standards for Hazardous Air Pollutants) published on September 19, 2012. **Martron FCA** is intended for use in hard chrome and decorative chrome applications, as well as in chromic acid anodizing. It is designed to lower chromium emissions and, in conjunction with other available controls, facilitate compliance with current federal emission limits. Laboratory data confirming performance results for **Martron FCA** are available upon request.

Surface Tension (dynes/cm, stalagmometer) v.
Concentration of HCA-9.3



Initial Charge and Maintenance Additions of Martron FCA:

Martron FCA is a blended solid material in D-I water, packaged in 1-gallon bottles. It is recommended that each bottle be shaken well before complete emptying in the chrome bath. If solid product residue remains in the empty bottle, please add D-I water, shake, and then complete emptying of the product into the chrome bath. **Martron FCA** is non-hazardous for transport, however appropriate PPE should be worn when handling the product. Read the Safety Data Sheet for **Martron FCA** before use.

Initial charge in a bath with no prior fume suppressant will be approximately 7 gallons per 1000 gallons working solution. It is recommended that an initial charge be performed incrementally, with frequent testing of surface tension of the bath, and observation of amount of foam build-up. Testing suggests that **Martron FCA** is compatible with prior generation fume suppressants, and conversions should be performed with lower than customary dosing, until relative performance is understood.

Maintenance additions will vary and will be determined by factors such as drag-out, presence of bath contaminants, rate of plating production, and residence time. It is recommended that the frequency of checking of surface tension be increased, when compared with testing frequency when using prior generation fume suppressants.

Product Benefits:

1. Product reduces surface tension, which aids in limiting emissions and in meeting OSHA / EPA requirements.
2. Minimization of chrome fumes will lead to longer equipment life and reduced scrubber maintenance.

Safety and Handling:

Martron FCA is not considered a hazardous material. However, it is used in conjunction with hazardous materials in settings that contain high concentrations of chromic or sulfuric acid, so extreme care should be used. Read the Safety Data Sheet for **Martron FCA** before use.

The data contained in this bulletin is believed by **Martron Inc.** to be true, accurate and complete. Since, however, final methods of use of this product 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.