

E-Mist 9

Mist Suppressant

E-Mist 9 is a special blend of surfactants which do not contain PFOA, PFOS, or PFOS related components. PFOS surfactants may eventually be banned throughout the USA, like they are in Minnesota. **E-Mist 9** is an alternative to the PFOS chemistry. **E-Mist 9**, when added to anodizing and chrome plating solutions, can greatly reduce their surface tension. **E-Mist 9** develops a foam layer which significantly reduces fuming and misting.

E-Mist 9 is a clear, nearly colorless, free flowing liquid product.

E-Mist 9 is stable when added to strong oxidizing solutions containing Chromic Acid, Nitric Acid, etc. Hence, it offers consistent performance in suppressing fumes and mist generated under electrolysis.

USE RECOMMENDATIONS

E-Mist 9 is used for lowering the surface tension of plating or anodizing solutions. Normally it is added at the rate of 1 to 3 gallons per 1000 gallons of the solution. This is equivalent to 0.1 to 0.3% by volume.

It is recommended first to do laboratory measurements of the surface tension of the plating solution "as is". Then find the dosage of **E-Mist 9** required by adding it in 0.1% volume increments to lower the surface tension to 40 dynes/cm or below. Generally, this concentration will be 0.1 to 0.3% by volume. Due to certain incompatibility issues when converting from other processes, 1.0 to 1.5% of **E-Mist 9** may be required initially until the other material is worked down to a minimum level which allows the **E-Mist 9** to take over as the primary suppressant.

SOLUTION MAINTENANCE

E-Mist 9 is mainly lost through drag out. Use a Tensiometer or a Stalagmometer to measure the surface tension and add **E-Mist 9** as necessary to maintain the surface tension at or slightly below 40 dynes/cm.

IMPORTANT NOTICE! For Industrial Use Only

The following is made in lieu of all warranties, expressed or implied, including the implied warranties of merchantability and fitness for purpose: seller's and manufacturer's only obligation shall be to replace such quantity of the product as proved to be defective. Before using, user shall determine the suitability of the product for its intended use, and user assumes all risk and liability whatsoever in connection therewith. **Neither seller nor manufacturer shall be liable either in tort or in contract for any loss or damage, direct, incidental or consequential, arising out of the use or the inability to use the product.**