

## NOTICE: NEW OSHA REGULATIONS FOR CHROMIUM VI EXPOSURE

The US Occupational Health and Safety Administration (OSHA) has recently released new regulations and limits on exposure to airborne hexavalent chrome in the workplace. Use of the electrochemical (electrolytic) process on metals containing chromium such as stainless steels can produce hexavalent chrome (also known as Chromium 6 or Chrome VI) in the electrolyte.

Everite Formulas: ST, LC, LT and TI contain Sodium Nitrate ( $\text{NaNO}_3$ ) and Sodium Nitrite ( $\text{NaNO}_2$ ) and will produce hexavalent chrome in the electrolyte during the electrochemical process when used on stainless steels and other metal alloys containing chromium. When using the above electrolyte formulas, it is imperative that electrochemical machines are operated with adequate guarding in place and have a properly functioning mist collector that is regularly maintained. The air quality in the vicinity of the machines should be tested in accordance with OSHA regulations. The amount of Chrome 6 in the electrolyte will increase as the electrolyte is used and becomes dirty. Frequent changing of electrolyte will minimize the chromium levels in the electrolyte and will reduce the level of airborne contaminants. Use of electrolytes without Sodium Nitrate or Sodium Nitrite are available that will not produce Chrome 6 in the electrolyte. Please contact Everite Machine Co. for additional information.

Further information on exposure and testing can be found in the OSHA regulations at:

[http://www.osha.gov/SLTC/hexavalentchromium/hex\\_regulatory\\_text.html](http://www.osha.gov/SLTC/hexavalentchromium/hex_regulatory_text.html)