

Development of a Single-step Cleaner/Deoxidizer/Activator

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Over the past 10 years, the metal finishing industry has seen a sharp increase in enforcement by local, state and federal regulatory agencies regarding the use of organic solvents. This, coupled with more stringent taxes on hazardous air pollutants (HAPs) and general public awareness and concern, has driven the development of a number of alternative chemistries for not only finishing and surface treatment, but pretreatment and cleaning as well. This presentation will discuss the development of one such alternative chemistry for use in surface finishing applications. Details will be presented outlining the development process that yielded a product, which is non-hazardous, biodegradable and free-rinsing. A discussion of waste treatment procedures and costs will also be shown, as well as a detailed hydrogen embrittlement study. Case studies will also be presented and discussed from the following applications of interest: electronics/electrical, printed circuit boards, plumbing, decorative finishes, firearms and jewelry.

For more information, contact:

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