



**Better Chemistry. Better Business.**

## Clean, Deoxidize & Brighten In One Step

Reduce stages & increase productivity by 60% with our new organic acid cleaner technology.

Switch to Hubbard-Hall's newest line of organic acid cleaners that clean, deoxidize & brighten in one step and reduce the stages in your process. Applications include soak, ultrasonic and spray on aluminum and copper alloys.

### Optimized to Clean:

- Forming lubricants
- Machining oils
- Light oxidation
- Scale from metallic parts



Customers have realized savings of up to **\$90,000** in waste disposal by using these products. Find out the other features and benefits that will be brought to your process below:

FEATURES	BENEFITS
Superior Oil Splitting Abilities	Extended Bath Life, Reclaim Oil with BTU Value
Forms Highly Soluble Metal Salts	Reduced Scale and Sludge in Washer
Low Odor	No Toxic Fumes
Non-Chelated	Simplifies Waste Treatment
Low Corrosion Rates	Minimizes Over Etching
Removes Oxides and Scales	Eliminates Multi-Stage Cleaning Operations
Phosphate Free	Reduced Wastewater Charges
One step cleaner, deoxidizer & brightener	Reduces stages, time, equipment and space needed for desired finish.



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## Clean, Deoxidize & Brighten In One Step

Introducing our new family of organic acid products that exhibit the following properties:

- Highly Concentrated
- High Detergency
- DfE approved wetting and solvent system
- Readily dissolves metallic soaps
- Contains no mineral acids
- No chloride
- Non-fuming
- No citric acid or other chelating agents



### Soak Cleaner - Aquaease 2289

This is an acidic cleaner that is optimized for soak cleaning. Aquaease 2289 will not remove heavy scale from stainless steel alloys.

### Spray Cleaner - Aquaease PLA 915

If you are looking for a low foam acidic cleaner, Aquaease PLA 915 is our recommended product. It is used for the removal of a variety of soils and oxides.

### Mass Finishing (Vibratory) - Lusterbrite CBA

Lusterbrite CBA is a liquid cleaner-burnishing compound especially formulated for both conventional barrel and vibratory finishing operations.

***"Before switching to Aquaease 2289, we used to clean and then bright dip our small copper and brass parts to get them ready for plating. We have now eliminated the bright dip step by switching to Aquaease 2289."***

Rob Winkky,  
Plating Engineer  
Surface Finish Technologies, Inc.



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