Specialists in Cleaning & Hygiene

Benefits of Solid Detergent Technology

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Until the 1970s, powder detergents were the accepted standard. The 70s brought liquid detergents to the forefront. They were easier to use, could be diluted on sight, and quickly outdated powders, but not without a price. The Solid Revolution, the introduction of solid detergent chemistry, addresses all of the negative attributes of powder and liquid detergents.

As this chart shows, all of the disadvantages of powders and liquids are resolved by solid detergent.

Advantages of Solids	Advantages of Liquids	Advantages of Powders
Can be up to 100% active	Controlled dispensing	Can be up to 100% active
Long storage stability	Immediate solubility	Long storage stability
Freeze/thaw stability	Cheaper raw materials	Freeze/thaw stability
High percentage of ionic components, water conditioners, alkalinity	Many surfactant choices Available in bulk for large volume users	High percentage of ionic components, water conditioners, alkalinity
Many combinations possible without interactions	Easy to manufacture	Many combinations possible without interactions
Can incorporate bleaches or enzymes	Disadvantages of Liquids Maximum concentration 45 percent	Can incorporate bleaches or enzymes
Excellent dispensing Will not segregate	Requires coupling agents which add cost	Disadvantages of Powders
Cost effective product formulation	Requires viscosity modifier	Cakes on storage
Controlled dispensing	Viscosity and dispenser delivery vary with temperature	Slow to dissolve in use solution
Many surfactant choices	Freeze/thaw stability problems	Messy, dusty, hazardous
Neat, clean, nonhazardous, can't spill	Storage stability	Can't use aqueous surfactants
No unnecessary couplers, fillers	Lower possible water conditioning	Segregation
No viscosity variation with temperature	Spills—corrosion, dangerous mixtures	
Fewer service calls	Precipitation plugs lines	
Low shipping cost	High shipping cost	
	Service of dispensers—tubes maintenance, metering tips, etc	