



chematic[®]
formulated detergents[®]

CASE STUDIES



Eudragit[®]

An Evonik product.

DOBER

Eudragit®

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DOBER



Q: What do you get when you combine the deep formulation and process understanding of Evonik with the high cleaning expertise of Dober?

A: Superior technical and application support that ensures both fast and effective cleaning processes with compliance documentation.

THE CLEANING CHALLENGE

Growing production demands have magnified the need to improve efficiencies in production processes and maximize use of assets.

CHEMATIC® SOLUTIONS & RESULTS

Chematic® Formulated Detergents are engineered to provide optimal cleaning results improve efficiency and achieve industry validation.

TIME



ACTION



CHEMISTRY



TEMPERATURE



Using Chematic's formulated detergents and processes not only help improve the TACT; Time, Action, Chemistry and Temperature involved in cleaning efficiencies, but our cleaning recommendations also benefit: **Safety, Validation Methods and ADE/PDE Values, and SAVE MONEY.**

CASE STUDY

EURAGIT® L 30 D-55

Coating Pan – One production run, soil at 40% solids

ORIGINAL INEFFICIENT PROCESS:

- Two detergents (both acidic and alkaline) required
- Cleaning process was time consuming (4-5 hours to clean)
- Large amounts of water and detergent were used
- Visible hazes left on machine after cleaning
- Manual re-cleaning required to remove haze



CHEMATIC® L/S: EURAGIT® L 30 D-55 Coating Pan

	PROBLEM	SOLUTION	RESULTS
	2 - 6 hours manual cleaning 30 minutes - 2 hours WIP/CIP cleaning Inconsistent cleaning impacts scheduling	Reduce cleaning time	Under 30 minutes Manual 1 hour WIP/CIP cleaning Significant time and cost savings
	Manual cleaning required in addition to CIP	Eliminate scrubbing Decrease manual labor	No manual scrubbing Improved capacity & scheduling
	2 chemistries needed Re-cleaning needed - Haze visible on surface after cleaning	No haze from TiO ₂ Iron Oxides or Talc	Chematic® L/S Cleaner (single detergent option) Detergent dissolves residue
	70-80°C hot water rinses	20°C Cold water pre/post-rinse 45-55°C rinsing & washing	Pigments best removed with cold pre and post rinse

RESULTS:

44% REDUCTION IN CLEANING TIME

50% REDUCTION IN WATER & ENERGY CONSUMPTION / CYCLE

8% MORE CAMPAIGNS PER YEAR (= 100 BATCHES MORE PER YEAR)

ABOUT CHEMATIC® L/S

Chematic® L/S Cleaner is a specialty detergent developed for the removal of EUDRAGIT® L, S and FS series polymer and associated coatings found in pharmaceutical manufacturing operations. This formulation readily penetrates and removes multiple layers of product and polymer associated with these coatings. It is also effective at removing the colored pigments often found in these coatings like talc, iron oxide and titanium dioxide. Chematic® L/S Cleaner is effective in both manual and CIP applications.



OUR COMMITMENT TO OUR CUSTOMERS

RIGOROUS STANDARDS

- ✓ Chematic production meets cGMP standards
- ✓ Complete lot traceability
- ✓ All raw materials are QC tested
- ✓ QC approval before release
- ✓ Product C of A's provided
- ✓ Change control policy

ADDITIONAL SERVICES & SUPPORT

- A cleaning process optimized for your equipment
- Analytical test methods provided under confidentiality
- Controlled formulation and detection method for all formulated Chematic detergents
- Cycle development assistance
- Committed to continuity of supply for the life of your product

LET'S GET STARTED!
CONTACT US TODAY.

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DOBER