

*We don't want to
but have to use
strong caustic to
clean protein
residues*

**Can CHEMATIC® clean
Protein based residues???**

*We have to scrub
to re-clean haze &
hidden residues!*

*We face high microbial
contamination risks*

*We need to
improve
productivity but
are wasting a lot
of time on
cleaning*



PROTEIN POWDER



Cleaning such equipment manually with wrong chemistry poses safety risks

We don't want to but have to use strong caustic to clean protein residues

Currently, cleaning protein residues involves application of highly caustic degreaser and labor-intensive manual scrubbing off the haze in equipment like ribbon blender, paddle mixers. This poses safety risks

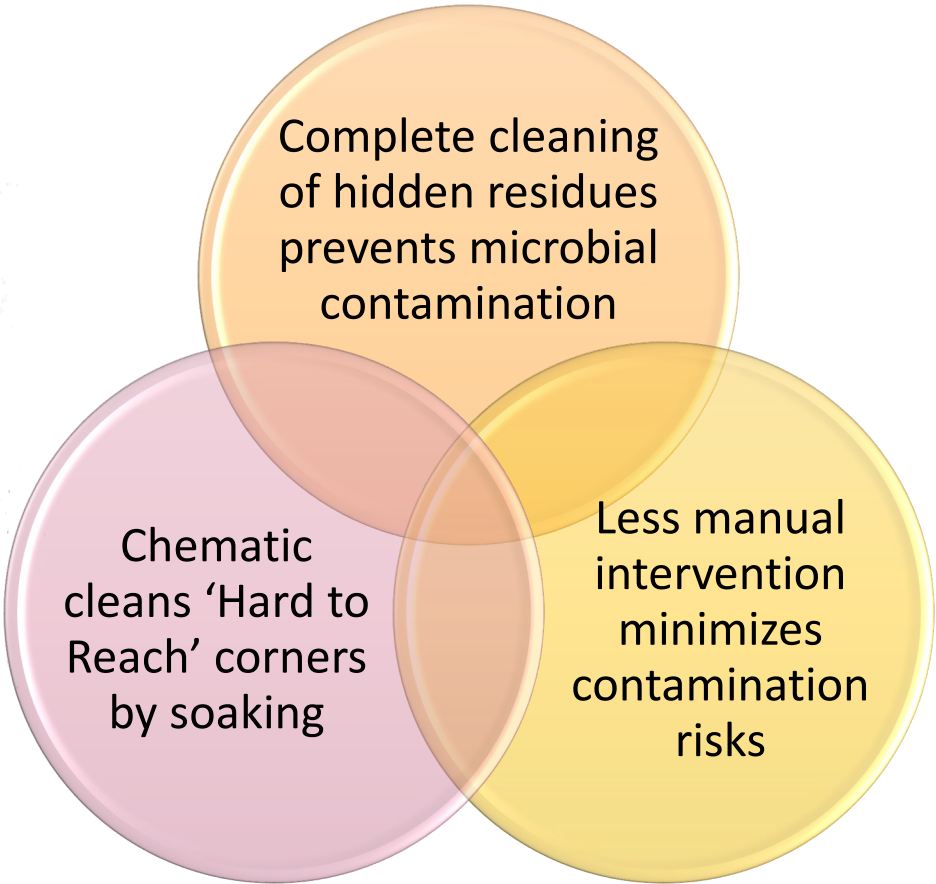
Customized CHEMATIC® Chemistries allow automated cleaning of mixing equipment having complex array of mixing blades with safer detergents



Unclean

Clean

We face high microbial contamination risks



Complete cleaning of hidden residues prevents microbial contamination

Chematic cleans 'Hard to Reach' corners by soaking

Less manual intervention minimizes contamination risks



We have to scrub
to re-clean haze
& hidden
residues!

Scrubbing = Long
cleaning
downtime

Protein disperse /
emulsify in
Chematic® ->
cleans without
scrubbing

CHEMATIC®
cleans
multiple
surfaces

CHEMATIC®
ensures haze and
hidden residue
removal

CHEMATIC® can be
used on all
equipment surfaces
after compatibility
testing

*We need to
improve
productivity but
are wasting a lot
of time on
cleaning*



Production is the heart for every industry that generates revenue



Cleaning downtime is when production doesn't occur



Chematic® targets residues for efficient cleaning



**Faster cleaning =
↓downtime = ↑higher
productivity = ↑Profit**

**Can CHEMATIC®
clean Protein
based
residues???**

Yes!

**Based on the type of protein and the
formulation, Chematic® 722 or 730 can
be used**

Safe

Eliminates re-
cleaning

Reduces
contamination
risk

Reduces
cleaning time

