

We can't clean oils like Annatto, Soya, Palm, Lard, Beef tallow effectively

Can CHEMATIC® clean Natural oils and oily extract???

The equipment, floor, tools...all are oily and sticky!

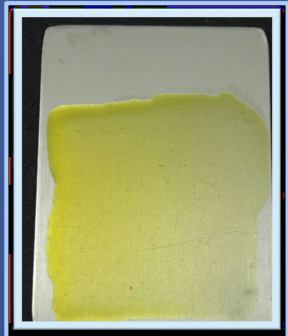
The oils are very hard to clean and residues are difficult to detect..

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

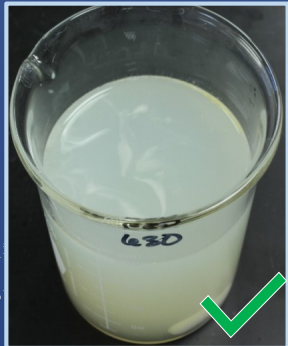


NATURAL OILS

Oils can be cleaned
effectively and
efficiently...



Incorrect Detergent



... with Chematic®

Correct Detergent

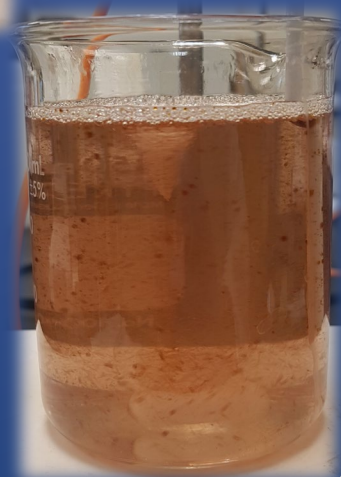
*We can't clean oils
like Annatto,
Soya, Palm, Lard,
Beef tallow
effectively*

Due to the
hydrophobic
nature of the
Oils, Food grade
detergents,
caustic or
solvents are
currently used to
clean them but
cleaning is
inefficient with
EHS and safety
concerns

As CHEMATIC®
cleans oils and
extracts
effectively, there
is no need of
recleaning with
solvents and
problems with
EHS



Emulsification
of oils with
Chematic®



The oils are very
hard to clean and
residues are difficult
to detect..

Oils / Oily extract
emulsify or disperse
into the detergent
solution

Complete
formulation
residue removal
without re-
deposition

Tested
satisfactorily on
multiple oil
based
formulations



**Annatto Oil
Cleaned by soaking
and stirring**

The equipment,
floor, tools...all
are oily and
sticky!

Sticky / oily feel =
Unclean

Oils are
emulsified in
detergent
solution -> cleans
off the
formulation

CHEMATIC®
cleans
multiple
surfaces

CHEMATIC® can
be used on all
surfaces after
compatibility
testing

CHEMATIC®
cleaners can be
incorporated in
wipes for ease of
cleaning extract



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

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

Can CHEMATIC®
clean Natural
oils and Oily
extract???

Yes!

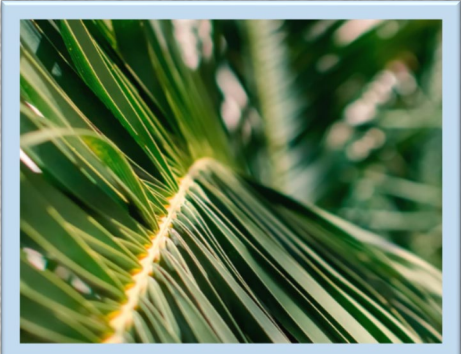


Based on the Oils or oily
formulation, various Chematic®
grades can be used, such as

Chematic®
730

Chematic®
783

Chematic®
7700



Palm Oil



Not Dissolved



Dissolved