

CynerSorb™ New!

Adsorbents engineered for superior filtration performance

- Available in a range of permeabilities
- High soaps removal
- Removes metals and polar contaminants
- Reduces filter aid usage vs. conventional materials
- Longer cycle times
- Higher flow rates
- Reduces spent filter cake disposal
- Reduces yield losses from spent solid and oil retention



IMERYS

CynerSorb adsorbent filter aids for oils

An adsorbent and absorbent filter aid product that combines adsorption and filtration functionalities into a single product.

Oil purification with longer cycle times and higher flow rates

CynerSorb adsorbents are highly permeable adsorbent filter aids that break down soap molecules and adsorb them along with metals and other polar impurities during purification.

CynerSorb adsorbent filter aids allow you to simplify, by replacing your water wash or dry wash process.

The diatomaceous earth (DE) structure of CynerSorb adsorbents makes it a very strong filter aid that will not block or clog your filter; its rigid particles allow greater permeability. This complex structure provides greater adsorption of polar contaminants and solids removal compared to silica gel or magnesium silicate adsorbents. The unique structure also allows CynerSorb adsorbent filter aids to reduce total powder usage, enabling longer filtration cycles that operate at higher flow rates, and decrease product loss.

CynerSorb C and HC grades were formulated to chelate nonhydratable soaps and metals and make them suitable for adsorption

Edible oils

CynerSorb adsorbent filter aids can be used in refining edible oil or during the rendering process for removal of soap and other impurities. CynerSorb is added after the neutralization step in chemical refining, or after the degumming step in physical refining.

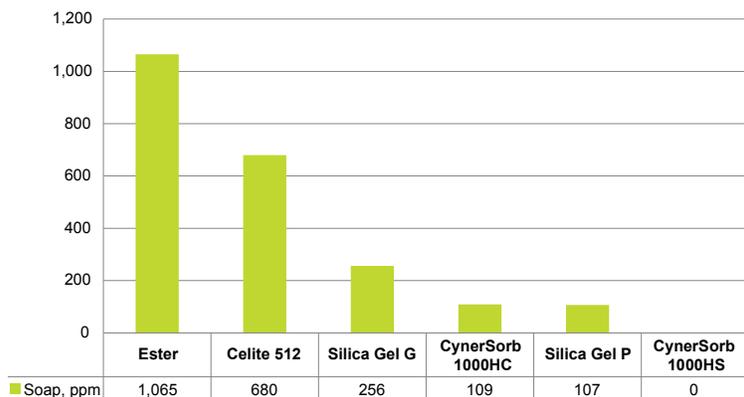
CynerSorb can be used in the purification and removal of the catalyst after interesterification in the production of margarines and other butters made from edible oil. CynerSorb can also replace the bleaching clay used in oil when color is not a concern, such as with olive oil, resulting in less solid, less oil loss and better filtration performance.

Oleochemicals

CynerSorb adsorbent filter aids are also used for the purification of oleochemicals such as biodiesel made from used cooking oil (UCO), refined vegetable oil or animal fat. They are versatile as pretreatment of feedstock material to reduce impurities or post treatment. CynerSorb C grades are recommended for biodiesel applications with high soap process such as bottom feed distillation, after esterification and transesterification.

SOAP AFTER ADSORBENT TREATMENT

CynerSorb vs Silica Gel
0.5% Adsorbent



Application	Moderate Adsorption (Esters with low soaps and metals)	High Adsorption (Esters with high soaps and metals)
Low Permeability	CynerSorb 200	CynerSorb 200C
High Permeability	CynerSorb 1000HS	CynerSorb 1000HC

Packaging

Bags / Super Sacks / Bulk

Additional products

Imerys has a comprehensive range of fresh water and marine water DE filter aids and perlite filter aids to meet most any filtration need.

Please contact us for further information, email: info@imerys-filtration.com or visit www.imerys-filtration.com



Imerys Filtration and Additives North America
For more information, please visit www.imerys-filtration.com