



NewEraSOS
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Untreated Organic Material:	EnCap Plus Application:	Encapsulated/Treated Organic Molecules:
<p>Untreated organic material ranging from oil and grease to animal fats, food waste, sewage, soil/grime, sludges, and many others.</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Use wherever fats, oils, and grease (FOG's) are an issue <input checked="" type="checkbox"/> Drains, Lift stations/Separators <input checked="" type="checkbox"/> Hard surfaces like counters, appliances, tile floors, and many others 	<p>This technology consists of a unique formulation of natural extracts of plants (essential oils and similar) which act to break surface tension between large often hard to biodegrade molecules. With the surface tension broken, the EnCap Technology works to micro-fractionalize the molecules and form tight negatively charged micelles. These micelles not only allow oils and greases to float on the surface of water for easy recovery, but they also repel each other preventing coalescence and re-adherence. Powerful builders in the formula bond with free calcium (concrete, hard water, urine) further reducing saponification and system blockages.</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Cuts oil and grease into tiny pieces rather than emulsifying with surfactants <input checked="" type="checkbox"/> New technology complexes with free calcium and inhibits saponification and grease buildup <input checked="" type="checkbox"/> Meets city effluent discharge requirements <input checked="" type="checkbox"/> De-tackifies oil from surfaces so that it cannot Re-adhere to drain pipes and separator walls 	<p>Treated organic particles become much easier for naturally occurring or added microbes to digest. Depending on the application scenario, contaminants such as oil and grease can be removed using manual (wipe/rinse) or mechanical cleaning techniques (oil/water separation) or they may be left to degrade in the environment as the EnCap Technology acts to speed biodegradation of organic contaminants into non-odorous inert substances such as C₂O and H₂O.</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Encapsulated grease becomes a more attractive food source for existing bacteria (like candy to a child) <input checked="" type="checkbox"/> Biological recovery from disinfectants and pH swings is accelerated due to nutrient rich extracts now surrounding the food source <input checked="" type="checkbox"/> Grease problems are history

* - White papers (test data), documentation, and SDS are available upon request.