

Oleonix - Micriolysis

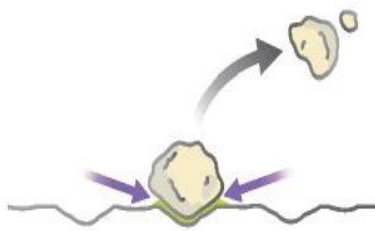
Achieving 'Super Clean'

Cleaner surfaces stay cleaner longer - the cleaner the surface the harder it is for dirt or bacteria and other organisms to adhere to the surface.

Historically the focus on achieving super clean hard surfaces has involved separate cleaning and disinfection with an associated increase in the use of biocidal disinfecting agents. Over time bacterias become resistant to biocides resulting in increased biocidal usage and environmental impact. The additional time, labour and water usage for rinsing off biocide is a major cost impact for business.

Oleonix Ltd is an innovative formulator and manufacturer eco-safe (Green) cleaning products using ingredients designed to preserve human health and environmental quality. Oleonix cleaning solutions work at the surface/dirt interface. When dirt adheres to a surface, the surface tension created resists the efforts of standard cleaning agents to remove it. The chemistry behind the Oleonix range utilises *micriolysis* whereby the active agents penetrate through the surface tension and penetrate to the core of dirt to break the bonds holding the dirt to whatever the surface is. The released dirt is then easily removed by flushing, rinsing, suction, extraction or microfibre absorption-extraction leaving surfaces so clean they resist the build-up of fresh dirt. Because more dirt is removed super-clean surfaces are achieved without the use of biocides.

Conventional cleaning agents



Cleaners remove larger particles



Embedded dirt remains in surface 'pores'

Oleonix Solutions - micriolysis



Oleonix penetrates through the dirt



Embedded dirt removed

The chemistry utilised in the Oleonix product range combines the molecular affinity of hydrophilic ingredients (molecules that have a tendency to interact with or be dissolved by water) with lipophilic ingredients (molecules that have a tendency to interact with or be dissolved by grease and fats) together with our own surfactant blend to produce a super concentrate. This super concentrate when combined with water at various dilutions will emulsify fats, greases, lipids, oils, proteins, sugars, starches, yeasts, algae etc so that they can simply be rinsed away

All the individual ingredients are supplied by Brenntag - the largest chemical distributor in the world and are all fully REACH registered. Working very closely with Brenntag's specialist team and by incorporating their latest developments in creating environmentally safe ingredients, Oleonix has prided itself since 1994 in utilising the most eco-friendly elements available and consistently reformulates as new eco-safe ingredients become available.

Oleonix cleaning solutions are a homogenous blend (where all the constituents are of the same nature; consisting of similar parts) of active ingredients which when mixed together have no detrimental effect on the planet - eco-safe.

Oleonix Full Spectrum Cleaner, Marine Algae Cleaner and Food Line Cleaner do not include any phosphates, petroleum solvents, caustics, peroxides, hypochlorates nor any ingredients that emit any VOC's. They are certified non-toxic and food safe by Campden BRI. They have been passed under the USA strictest chemical ingredient criteria Proposition 65 which lists over 800 unapproved chemicals and looks for a lower than 1% VOC emission level. Oleonix Full Spectrum Cleaner, Marine Algae Cleaner, and Disinfectant Cleaner do not use a single ingredient on the list and have a **zero** VOC emission level.

Oleonix Full Spectrum Cleaner or it's Disinfectant variant can be used in a multitude of applications in the farming and food production sector.

Food production facilities:- all stainless steel surfaces, rubber and plastic belting, open plant cleaning, conveyors, all hard floor surfaces (returns safety floors to non-slip finishes).

Vegetable processing – potato/beet/celery processing plants

Agricultural machinery – in-field water less cleaning of harvesting equipment.

Almost every farmyard application – residues will not harm groundwater or vegetation.

Oleonix can replace many different cleaning products with just one and because it is totally safe it will not harm humans, animals, produce or equipment.