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## SAFE GREASE REMOVAL IN THE FOOD PROCESSING INDUSTRY USING NSF APPROVED PRODUCTS

For years Vecom has been successfully supplying the food processing industry with the product Steamclean Extra. USDA approval applied to this product until recently. USDA approval has been obsolete for some time and has been replaced by NSF certification. Vecom recently submitted its Steamclean Extra to NSF for certification and has received an NSF certificate for Steamclean Extra.

### What does NSF certification mean?

NSF stands for National Sanitation Foundation and is a non-profit and non-governmental organisation. NSF develops standards and provides product certificates and education in public safety. NSF now operates in 80 countries. It was set up in 1944 and has its Head Office in Ann Arbor, Michigan.

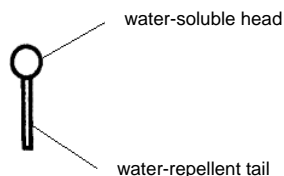
NSF International certifies products and materials that when used can directly influence human health and the environment. NSF standards are generally accepted for various public health-related industries. This means that Steamclean Extra is a product that is safe for cleaning floors, machines and walls in the food processing industry. The proviso is that the product must be used in accordance with the supplier's description, in this case Vecom.

### How are greasy or oily pollutants removed?

Grease and oil are organic pollutants. They can easily be removed by alkaline cleaners. The pollution undergoes a reaction with the alkaline cleaning agent, which gives water-soluble molecules, also called soaps. This allows the pollution to be removed easily.

A soap is a molecule, which consists of two parts: a water-soluble head and a water-repellent tail (see diagram 1).

Diagram 1



If a liquid or solid pollutant does not dissolve in water, the soap molecules will surround the pollution. The water-repellent tail dissolves, as it were, slightly in the pollution, so that the water-soluble head is turned towards the water (see diagram 2).

The outside of the pollution is now fully surrounded by water-soluble particles. These particles remain suspended in the water. This produces an emulsion and the pollution can be easily washed away.

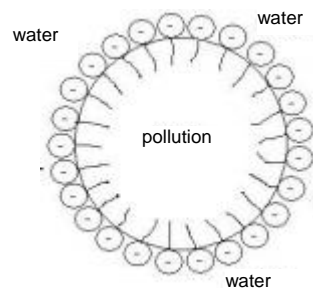


Diagram 2

### Use of Steamclean Extra

Steamclean Extra is an alkaline cleaner to which high-quality detergents have been added. This product is mainly used in the removal of stubborn greasy or oily pollutants on various substrates. A major advantage in the use of this product is that only a 3% solution in (warm) water is needed to remove the heaviest pollution easily. 0.5% is sufficient for daily cleaning.



The floors in this palm oil refinery are cleaned with Steamclean Extra. Thanks to Loders Croklaan for this photo.

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