

PRODUCT BACKGROUND & DEVELOPMENT

The pedigree of CleanSafe® liquid products is well proven and has a fascinating lineage:

Early Developments: During the Cold War period, the US Navy urgently needed a non-toxic and environmentally friendly algae-repellent coating to paint onto the hulls of submarines. The coating had to be harmless to sea and river creatures and to plant life, whilst at the same time it had to achieve the objective of inhibiting algae growth.

Following exhaustive tests, the Navy was satisfied that the coating achieved the primary objective **PLUS** they also found that it improved the vessels' speed through the water. The coating had actually made the hull more "slippery" and so for the same power output, it moved faster through the water. A significant breakthrough in under-water technology.

Later Developments: Medical technologists became aware of the product and adjusted the formulation to use as a coating on the internal surfaces of invasive medical instruments, such as syringes. Here, the need was to provide a smooth transfer of fluid into the human body as the syringe plunger was depressed **BUT** without the "judder" normally associated with two plastic surfaces rubbing together. Again, the product worked perfectly, to the benefit of all.

Recent Developments: Perhaps the most significant development of all has been the use of the product in the food industry. Major manufacturers of syrups, ketchup's, sauces and the like, now coat the inside of their glass and plastic bottles and jars to ensure the contents do not stick to the sides. This allows all the contents to be consumed and wastage to be kept at a minimum. Improved value for money, much to the consumers' delight!

Use of the product in the food industry, demonstrates perhaps above all, the complete lack of toxicity of the liquid and that it can be safely used by all - even children.

Further Developments: We are continuing the development of this proven technology and have taken it further into the world of the consumer - with new formulations of varying concentration - we now supply a wider range of defined markets, such as:

- **The Computer / Television / Screens industry**, for cleaning and protecting PC, laptop and computer screens, also those with the new generation soft film filters (Plasma). Damage can occur to screens if products, which contain alcohol, and/or solvents are used.
- **The Optical industry**, for cleaning and protecting spectacle and sunglass lenses of all types, including plastic and coated lenses. Being used by major optical groups.
- **The Copier / Scanner industry** - where CleanSafe® is used for cleaning and protection of lenses / glass plates and other optical parts. CleanSafe® has proven to be able to replace most other traditional products.
- **The HI-FI / CD / MULTIMEDIA - DVD market**, where tests have proven that the treatment of Cd's, Cd-rom's and DVD's rectify almost all problems with these media. In addition a huge reduction is achieved in static electricity. Sound quality is improved and media become faster and more reliable (less retries).

- **The Motor Car market**, for cleaning and protecting instruments and GPS screens as well as surfaces of windscreens and side windows.
- **The Commercial Cleaning market**, supply to cleaning companies and buying groups in Europe, for cleaning glass, mirrors, ceramic and plastic surfaces in offices and the like.
- **The Motor Helmet market**, where the cleaning and protection of Iridium Visors and other Helmet and motor parts requires the high-tech solutions found in CleanSafe®.