



PRODUCT INFORMATION

LINE MARKING LIQUID ENVIRONMENTAL ISSUES

Fleet produces water-based products that are formulated to minimise environmental impact in use and take pride in their products' environmental market leadership.

PH Levels

Fleet liquids typically have **pH values much lower than industry norms**, pH 7 as compared with pH 8 and above. pH 7 is neutral, distilled water is pH7, whereas above pH 8 paints are alkaline and **are more likely to unbalance the ecosystem in which they are used**. A change of 1 pH unit represents an order of magnitude (10 times) increase in acid/alkali content.

VOC (Volatile Organic Compounds)

Generally paint has the potential to do harm to the environment. It may contain solvents and other chemicals called volatile organic compounds (VOC's), which upon application evaporate into the atmosphere contributing towards pollution, particularly smog. Some organizations are concerned that asthma could be aggravated by pollution linked with solvents from VOC emissions. VOC emissions are believed to contribute to the build-up of so called greenhouse gasses, **which are believed to contribute toward global warming**.

Fleet's Research and Development Department, have designed all water based paint liquids to **contain low-level VOC's, less than 1 .0%**.

APEO – Additives

In the coatings industry a family of chemicals known as 'Alkylphenol Ethoxylates' or APEO's are used to disperse pigments and fillers in water based paints.

It has been found that by-products of **these chemicals have a harmful effect upon aquatic life forms and may affect the fertility of organisms with which they may come into contact**. A program is underway to phase out APEO's in the UK and Continental Europe.

Fleet's Research and Development Department, have taken a leading role in removing all APEO's from their complete product range. **All Fleet products are APEO-free**. We believe we are the first line-marking manufacturer to address this problem.

