Neil Bromage reports on a controversial chemical that it is claimed will reduce the risk of diseases in planes and ships

Airlines shun health safeguard

Traduce the risk of airborne diseases on aircraft and ships — only to be seed for it.

Envirotech, based in Skelmersdale. Lancashire, has spent the past year taking samples from the Alters, upholstery and carpets of afreraft and cruise ships to investibute the problems of cross-contamination. The company manufactures a product — Envirocare that, according to independent malysis, will kill the bacteria and truses that cause many travel-lated illnesses. Envirocare, which comes in pow-

dered or liquid form, is already ing used by manufacturers of pastic sheeting, carpets and upholstery. It can also be sprayed on fered "severe attacks of bronchitis food-preparation surfaces. The or gastric flu", which "both we dompany claims it will kill the likes and our doctor attribute directly to upholstery sufficiently well to be a E coli, salmonella, legionella, BA flights". patitis B, MRSA - the "super-

A British company has manufacturecently — influenza and even tured a chemical that it says will HIV. About a third of all travellers are believed to become ill in some of the highest standard and that the way and the air-conditioning systold by airlines that there is no tems of hotels, cruise ships and aircraft have been blamed for several outbreaks of Legionnaire's disease people travel, they are exposed to over the past 10 years.

The Passenger Shipping Association cautiously welcomed the development of Envirocare. Bryony Coulson, the deputy director. said: "If this product does what it says, it could have useful applications on cruise ships."

convinced.

A passenger who regularly flies club class with British Airways wrote to Envirotech to complain that on "at least five different occasions" he and his wife have suf-

Dr Michael Bagshaw, the head of g' that has infected hospitals medical services at BA, said this nature of air travel and a closer

week that he was "entirely happy" that the airline's cabin air quality is risk of a passenger becoming ill through flying was remote.

In his reply, he said: "Whenever microbiological organisms with which their immune systems are not familiar. This exposure can occur at any time... not just on board the aircraft."

He added that recirculated air on British Airways aircraft was "germ-free" and that "airborne The airlines, however, are not bacteria and viruses cannot live in carpets or on upholstery because they need body temperature and moisture to survive."

However, Dr Tom Makin, a senior microbiologist at Royal Liverpool University Hospitals, disagreed. "Some bacteria and viruses can certainly survive in carpets and danger to people's health," he said.

He added that the confined

the risk of illness from airborne bacteria and viruses.

The airlines say that the highquality filters they use reduce the levels of bacteria, but Dr Makin said that viruses can pass through filters. "A high-quality filter and regular recycling will significantly reduce the levels of bacteria in the air, although it will not have any effect on viruses that can pass through the filters," he said.

"If the filter fails, however, or is not replaced regularly, the concentration of bacteria will build up, particularly in confined, pressurised environments."

John Egerton, from Envirotech, recently took samples from the carpet and seat of a Boeing 747 flown by one of the principal British airlines and had them analysed by the independent Aynsome Laboratories. A range of micro-organisms was found.

A spokesman for Avnsome said the results showed more bacteria he said.

proximity of bodies could increase "than would be expected in that environment". The company said the results "raise the question of the potential survival of pathogens and, more importantly, the consequent redistribution of these organisms through the aircraft by the ventilation system".

Andy Ray, Aynsome's chief chemist, said: "In any environment where bacteria are rife, the use of Envirocare will serve to kill that bacteria and therefore reduce the illness that results."

Peter Barrett, The Daily Telegraph Travel section's "Flying Doctor", said Envirocare might be of use in reducing the transmission of disease through aircraft filters, but added that, as most of the illnesses are transmitted directly through the air, the impregnation of carpets or upholstery might not make a lot of difference. "It may prevent the survival of pathogenic bacteria, but only as long as the bacteria or viruses come into contact with it."