

# CARECLEAN ULTRASONIC

## **Cleaning liquid for use in ultrasonic cleaning baths and cleaning machines**

- \* Suitable for use on all common metals (except zinc and some magnesium alloys)
- \* Designed for ultrasonic equipment
- \* Easy to dispose
- \* Low foaming so can be used in cleaning machines.

## **INTRODUCTION**

The cleaning of heavily contaminated fuel and lubricating oil filters, cylinderheads and aircoolers often give problems. The use of a cleaning agent only is generally unsatisfactory as only a part of the deposits will be removed, and in most cases carbon residues and other solid materials will be left behind. In such cases the use of ultrasonic sound waves in combination with a special cleaning agent gives good results. The contamination will be removed by the ultrasonic process in the liquid. The special detergents in the cleaning agent keep the contamination dispersed in the liquid and the complexing agents will partly dissolve them. Careclean Ultrasonic has been developed for use in ultrasonic baths for the cleaning of all materials except zinc, galvanised parts and/or magnesium alloy.

## **APPLICATION**

Careclean Ultrasonic is used in ultrasonic cleaning baths and in cleaning machines.

## **DIRECTIONS FOR USE**

### **In Ultrasonic Cleaning Baths**

The components to be cleaned can, if necessary, be degreased with Careclean Quick Split and Careclean ECS Quick Dry. Depending on the degree of contamination, Careclean Ultrasonic should be used in a 5 - 25% solution in water at a temperature of 50 - 70° C. Dismantle the equipment to be cleaned (i.e. : remove top and bottom rings from filtercandles), put the components in the bath taking care that the elements are completely immersed and kept separate.

We recommend a cleaning time of 5 - 30 minutes but longer if necessary. Take the elements out of the bath and spray with a powerful waterjet. After drying, an Anti Moisture Spray can be used to preserve the elements. The cleaning solution has to be renewed and the bath cleaned regularly, because in a contaminated bath the parts cannot be cleaned effectively.

Marine Care design build and commission the "Caretech" ultrasonic cleaning bath systems.

### **Cleaning Machines**

Careclean Ultrasonic is, depending on the nature and degree of contamination, applied in approx. 4% solution in cleaning machines. The contaminated objects must be placed in the machine and cleaned for 30-60 min. at a temperature of 80 - 90° C. Finally rinse with water.

### **PROPERTIES**

Careclean Ultrasonic is a low foaming mild alkaline liquid. It can be used on all common metals except zinc, galvanised materials and some magnesium alloys. We advise to test lightmetal alloys (aluminium/magnesium alloys etc.) i.e. pistons, turboblower parts etc. in advance for 5-10 minutes. Suitable for use on synthetic materials, rubber and cured lacquers.

Colour	:	yellowish
Specific gravity (20°C)	:	1.19
Flash point PM CC	:	none
pH (1% solution)	:	approx. 11,5

*For detailed information on safety and health, please refer to Material Safety Data Sheet and / or Product label.*

The details of our product are given completely free of undertaking. Since their application lies outside our control we cannot accept any liability for the results.