

## TECHNICAL DATA

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# SUNCLEAN® - Water Based Cleaning Fluid

## **DESCRIPTION**

Sunclean® is a unique environmentally friendly water based cleaning fluid, which contains no hydrocarbons, is non-caustic, non-flammable, has no unpleasant fumes/odour and does not attack varnishes or resins.

## **USES**

Sunclean® was specifically developed for the removal of carbon deposits in DC electrical rotating machines, but may also be used for general purpose plant and equipment cleaning.

## **APPLICATION**

### **Immersion**

Components can be immersed into a settlement tank containing Sunclean® for a recommended maximum period of four hours. Sunclean® penetrates into the carbon, disassociating it from the component. Any carbon removed from the component will sink to the bottom of the tank, whilst any grease and oil will float to the surface where it can be skimmed off. This leaves the Sunclean uncontaminated allowing it to be re-used many more times.

### **Spraying**

Armatures and field coil assemblies which exceed the size of tank can be sprayed with neat Sunclean®. The treated components should be maintained in a wet condition for a sustained period of time. This allows the Sunclean® to penetrate the carbon, removing it from the component prior to flushing out with water.

Following the immersion or spraying process, it is necessary to wash out the loosened carbon and Sunclean® with water. The recommended methods for the flushing process are the use of a steam cleaner or water hose at mains pressure. Water reacts well with the wet Sunclean®, creating a foaming action which aids the lifting and loosening of carbon from the components.

### **Steam Cleaning**

Sunclean® is particularly effective when used in conjunction with a steam cleaner. For this application, Sunclean® should be diluted with 10 parts water to avoid excessive foaming. When diluted at this ratio, Sunclean® may be safely washed or disposed of into the drainage system.

## **DRYING**

When used on electrical components/windings, the components must be thoroughly dried after cleaning to ensure all moisture is removed from the windings, cores and insulation.

## **INSPECTION AND TESTING**

After treatment with Sunclean®, armatures, which are damaged, or experiencing insulation failure can be easily identified. In cases where the Insulation Resistance remains low due to porous insulation, some may be recovered by re-impregnating with varnish.

## **HEALTH & SAFETY**

Before use, refer to the Material Safety Data Sheet (MSDS).

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