

## **DESCRIPTION**

**CARBON REMOVER** is a special product produced to remove deposits like carbon, grease, oil, varnishes from diesel engine blocks, gear boxes, pistons, rings, valves, pipes, and coolers.

Product Name : **CARBON REMOVER**  
Document No : SP-KS-057  
Chemical Name : Chemical Mixture  
Usage Area : Used for cleaning of carbon deposits.

### **A. ORGANIC PROPERTIES**

Appearance

Physical Status (20°C): Liquid

Color : Transparent

Odor : Solvent

### **B. PHYSICAL PROPERTIES**

pH (in conc) : -

Molecular Weight : -

Flash Point : -

Density : 1.00 – 1.10 gram / cm<sup>3</sup>

Solubility in Water : Appreciable

## **APPLICATION, FEATURES & BENEFITS**

- ✓ Removes heavy carbon, grease, oil, varnish, old paint, resins, etc. completely
- ✓ Penetrates quickly and thoroughly.
- ✓ Non-corrosive to most metal surfaces and parts, except those made of soft-mild steel and cast iron.
- ✓ Contains strong corrosion inhibitors.
- ✓ Low toxicity
- ✓ Low evaporation rate
- ✓ May damage some rubber and plastic compounds.
- ✓ Cost effective, easy to apply and use.

## **STORAGE INFORMATION**

Packing: 25 / 30 / 200 L. sealed pails. Storage Period is 3 years.

## **DOSING PROCEDURES**

The quantity of CARBON REMOVER to be used for cleaning carbon depends on the degree of cleaning desired and the contamination level. It is recommended to use concentrated. It may also be diluted with water, but its cleaning effects will decrease considerably.

Three methods are appropriate for applying CARBON REMOVER. These methods are as soaking, brushing and immersing.

**Soaking method:** The parts/items are submerged into the steel bath which contains sufficient quantity of CARBON REMOVER. A wire basket can be useful for small components in order to take them out comfortably. To clean the deposits on the dirty surfaces, the parts/items must be left in the CARBON REMOVER for a period of time. Light contaminants will be removed in 1 hour, whereas heavy oxidized deposits might need longer time to be cleaned.

After waiting the sufficient cleaning time take out the parts/items from the steel bath and wash thoroughly with a high-pressure water supply or jet system.

**Brushing method:** To clean big heavy items in their places CARBON REMOVER can be applied with a paint brush on the deposits. The paint brush should always be kept wet with CARBON REMOVER during application, brushing should continue, until all items are cleaned. Afterwards, the items should be wiped with a wet cloth and then, they should be dried with a dry cloth.

**Immersing method:** Remove the plastic parts from the articles and immerse it in to concentrated Carbon Cleaner. Wait until the deposits get soften, then brash with appropriate media. For best results use Carbon Cleaner undiluted and heat it up to 50-55°C.

**ATTENTION:** If you are going to make the cleaning in doors and the cleaning solution is heated, the solvent smell may disturb workers. Use ER-ELECTRIC, (another product of Ertek Chemicals IND CO. INC), in doors for carbon cleaning. Usage: Immerse the articles inside a bath, fill the bath with ER-ELECTRIC, and then add water up to 10 - 15 cm. Since ER- ELECTRIC won't mix with water and water will stay as a second layer over ER-ELECTRIC, it will block disturbing solvent smell during the heating process. You may heat the solution up to 50-55°C, without disturbing anyone.