



# ZefaTech®

## PRODUCT DATA

**ZEFATECH® CR 228**  
Carbon Remover

**DESCRIPTION  
AND USE**

ZEFATECH® CR 228 is a liquid compound specifically formulated to remove carbonaceous residue formed by oil or other petroleum products exposed to high temperatures, and to clean oil, grease, fuel residue, tar, varnish, etc from metal surfaces. It is applied, among others, to clean fuel oil heaters, heat exchangers, diesel engine parts, automotive and marine engines, and boilers fuel atomizers. When encounter heavy carbon deposits, it may be desirable to heat ZEFATECH® CR 228 solution to 50°C that will increase its solvency power and considerably shorten cleaning time. However, it is recommended the temperatures does not exceed 60°C and the job should be carried out in well ventilated area.

**GENERAL  
SPECIFICATION\***

Appearance	: Dark brown liquid
Specific Gravity(25°C)	: 1.15 ± 0.05
Flash Point (PMCC)	: > 70°C
Solubility in Water	: Dispersable

**APPLICATION**

***Soaking Method***

Before soaking those items to be cleaned, for the purpose to prolong the effective strength of ZEFATECH® CR 228, all loose grease, dirt and oil should be first removed by using steam or by wiping.

After removing rubber trim, immerse those parts into suitable container filled with ZEFATECH® CR 228. Hang the objects in a wire basket or from a wire so they are off the bottom and completely covered by ZEFATECH® CR 228 solution.

Allow to soak for 4 to 8 hours until deposits are cleaned or dissolved. Stir the solvent to loosen exceptionally heavy deposits, if necessary.

Heat the solvent to 50 up to 55°C to speed up removal of carbonized deposits.

When clean, rinse parts in a stream of water to remove loosened materials. Wipe dry or use compressed air to dry.

***Circulation Method***

Remove excessive oil remained in the fuel oil heater to be cleaned, by blowing air or steam through the oil side.

Connect the circulation system which requires a circulation pump, an open head drum and temporary hoses or pipes.

Circulate ZEFATECH® CR 228 solution for 4 to 24 hours, depending on the type and severity of deposits to be removed as well as the temperature of circulating ZEFATECH® CR 228 solution.

When completed, drain ZEFATECH® CR 228 to the reservoir, then flush the unit with flushing oil or with water.

**PACKAGING** 25 Liters per pail or 200 Liters in plastic Drum.