

## Cardite HTC Heat Treat Cleaner

### DESCRIPTION:

**Cardite HTC** removes all types of dirt; vegetable oils, animal fats, petroleum products and many other common industrial soils prior to heat treat operations.

For use on ferrous metals only, **Cardite HTC** is non foaming at all temperatures.

### TYPICAL APPLICATIONS:

**Cardite HTC** is especially recommended for use in prior to heat treating ovens. For use in soak tanks or spray washers, **Cardite HTC** will keep heat treat systems clean and operating efficiently.

### PERFORMANCE PROPERTIES:

**Cardite HTC** is a totally organic based cleaner that is free of all inorganic ingredients that would normally cause a build up in heat treat furnaces especially in the cooler starting and finishing stages. **Cardite HTC's** ingredients are volatile and degrade completely at temperatures above 400°F.

The liquid form of **Cardite HTC** makes it easier, safer, and more efficient to use than powder compounds, a liquid can be fed through a closed system directly from the shipping drum to the cleaning operation. This eliminates the hazardous mixing of alkaline powders with water and it can be automatically metered to deliver a consistently accurate dilution.

### RECOMMENDED USE DILUTIONS:

Dilute in water to suit the job. The quantity required depends on the quality and type of dirt, porosity of the surface, temperature, soak time allowed, and the degree of agitation applied by the cleaning method. Recommended dilutions are:

For light duty shop soils such as cutting oils and coolants.....3 to 5% by volume.  
For heavier oils, greases and drawing compounds..... 5 to 10% by volume.

In recirculation systems, strength gradually decreases during use. Add **Cardite HTC** as needed to raise to desired strength. A test kit is available for checking solution strength by simplified titration.

### USE TEMPERATURES AND TIME REQUIRED:

Many common soils can be removed "cold" at ambient temperatures. **Cardite HTC** is most effective at temperatures between 120°F to 160°F.

Some dirt is removed instantly on contact. The time required for equipment varies greatly. Additional time may be required for severe conditions. When speed is not important, energy to heat may be saved by extending the time.

In all applications, solution life can be prolonged by using filters in return lines, by removing sludge from the bottom of the tank, and by skimming floating oil from the top. When possible, cut costs by storing used solution in a holding tank and re-use.

Additional Information: Call Chempace at 1-800-423-5350