

- Foams and brightens
- Safe for use on indoor coils
- Synergistic acid-based formulation
- High hard water tolerance
- Removes oxidation and brightens
- Safer and less corrosive than HF-based cleaners

Description

Cal-Brite is a low-pH or acid-based product developed for cleaning evaporator coils, air-cooled condensers and other finned cooling and heating coils. It is based upon glycolic acid and ammonium bifluoride, and it incorporates two surfactants, including DuPont's Mersol®. The activity between the glycolic acid and the ammonium bifluoride produces a synergistic cleaning effect, resulting in a clean, brightened coil but with the utmost in safety to the applicator and the job site as compared to HF-based products.

Application

Air-cooled condensers, evaporator coils and other finned cooling and heating coils can become coated and clogged with greasy dirt and grime. This contamination will in turn cause the coil to lose efficiency and drive up operating costs. The degree of contamination and the time it takes for the coil to be dirtied and clogged will vary by locale. However, it will need to be cleaned to restore lost capacity and efficiencies.

Many service technicians will utilize an alkaline-based cleaner for this task, and the desired results will be achieved. Many other technicians continue to use the highly concentrated hydrofluoric acid-based products as they like the aggressive foaming of these cleaners. However, the high concentration of hydrofluoric acid in these products can present serious safety concerns for

Coil Cleaners

Cal-Brite



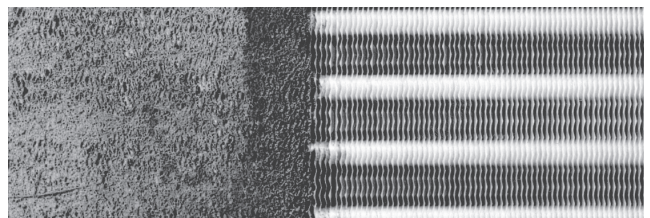
the technician and the equipment. When the use of these cleaners is taken inside to evaporator and chiller coils, the safety concern is dramatically magnified.

Cal-Brite's technology provides a safer alternative with equal or better performance. The synergy of its acidic-based formulation achieves foaming, brightening and cleaning, but without the dangers that are typical to high concentrations of hydrofluoric acid. Because of its low odor and increased safety, Cal-Brite can be used on indoor coils.

Packaging

- | | |
|-----------------|----------------|
| 1 gallon bottle | 4133-08 |
| 55 gallon drum | 4133-01 |

DIRTY COIL **SAME COIL CLEANED WITH CAL-BRITE**



Directions for Use

Read all directions and warnings before using.

1. Shake before using. Also, wear safety goggles, gloves and personal protective equipment. Do not mix chemicals.
2. If the coil is heavily soiled with lint, hair and other heavy soils, use a brush to remove this matter prior to using Cal-Brite.
3. For normal to heavy soils and grease, dilute 3 parts water to 1 part Cal-Brite. For light soils, dilute 6 parts water to 1 part Cal-Brite. Also, when cleaning evaporator coils be sure the condensate pan and drain are clear to insure proper draining of cleaning solution and rinse.
4. Shut off the system as well as blowers or air handling equipment prior to cleaning. If using indoors on an evaporator coil, be sure nearby registers are closed. Although the blower was turned off, natural air currents could pick up and entrain droplets of cleaning solution and this should be controlled.
5. Spray diluted Cal-Brite onto coil with a low pressure sprayer. Avoid back spray.
6. Wait 5-10 minutes, then rinse coils thoroughly with water. Take your time to insure complete cleaning.
7. After cleaning, treat coil with Cal-Shield® coil protector (4148-08).

Read and understand the product's label and Material Safety Data Sheet ("MSDS") for precautionary and first aid information.

The MSDS is available on the Nu-Calgon website at www.nucalgon.com or is returnable by U.S. Mail upon request.