Frequently Asked Questions

Q: What is an alkaline coil cleaner?
A: Alkaline (also called non-acid) coil cleaners are products that have a pH greater than 7.

Q: What is an acid coil cleaner?
A: Acid coil cleaners are products that have a pH less than 7.

Q: Why doesn't Triple-D™ brighten the coil?
A: Coil cleaners that brighten the aluminum components of a coil are actually stripping a light protective coating (patina) from the aluminum. This stripping action exposes bare underlying aluminum which then immediately begins to form the patina again.

Q: Why doesn't Triple-D™ foam?
A: Foaming of coil cleaners is exhibited when the cleaner chemically reacts with the aluminum coil components. This reaction is exhibited by a foaming action. The reaction actually dissolves the aluminum, destroying the heat-transfer ability of the coil, and creates the potential for refrigerant leaks.

Q: What does metal safe mean?
A: Conventional acid and non-acid coil cleaners actually attack and chemically react with the aluminum (and sometimes copper) coil components. This reaction is exhibited by a foaming action. The reaction dissolves the aluminum, destroying the heat-transfer ability of the coil, and creates the potential for refrigerant leaks.

Q: What is hydrofluoric acid, and is it really that dangerous?
A: Hydrofluoric acid (CAS #7664-39-3) is one of the most aggressive acids known. It is primarily used in stainless steel manufacturing, iron and steel foundries, metal finishing, aluminum manufacturing, chemical manufacturing, petroleum refining, mineral processing, glass making, and electronic components manufacturing. The world's largest producer of industrial hydrofluoric acid is Honeywell's Industrial Fluorines. Honeywell provides an excellent document on hydrofluoric acid and exposure risks in their Recommended Medical Treatment for Hydrofluoric Acid Exposure. This document is ©2000 Honeywall, but is available for download from DiversiTech at www.diversitech.com/literature/hfacid.pdf.

Q: What is NSF registration, and why is it of value?
A: NSF (National Sanitation Foundation) registration has replaced USDA (US Department of Agriculture) authorization as the leading recognition for products used in food service applications.

About DiversiTech

DiversiTech Corporation is North America's largest manufacturer of equipment pads and a leading manufacturer and supplier of components and related products for the heating, ventilating, air conditioning, and refrigeration (HVACR) industry.

Headquartered in the Atlanta, GA metropolitan area, DiversiTech manufactures a suite of products which includes a wide range of mechanical, electrical, chemical, and structural parts for HVACR and electrical systems, and swimming pool installations. The company maintains manufacturing and distribution facilities in key U.S. locations, Europe, and in the Far East. DiversiTech has enjoyed a continued history of successful growth and has acquired industry-recognized names including Devco® Enterprises, Wagner® Manufacturing, The Black Pad®, Hef-T-Pad™ and Specialty Chemical.

TRIPLE-D™ UNIVERSAL COIL CLEANER™

Download an electronic version of this brochure at:
www.diversitech.com/literature/lit-fly-3d.pdf

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Triple-D™

TRIPLE-D-RTU

TRIPLE-D

TRIPLE-D-AER

TRIPLE-D-GRAN

DIVERSITECH

Features	Benefits
Metal Safe	Conventional foaming acid coil cleaners actually attack and chemically react with the aluminum coil components. This reaction is exhibited by a foaming action. Conventional foaming non-acid coil cleaners are so strong (because they lack the unique inhibitor in Triple-D™) they also attack the aluminum coil components. The attack/reaction dissolves the aluminum, destroying the heat-transfer ability of the coil, and creates the potential for refrigerant leaks. Over time, the reduction in heat transfer ability for the coil increases energy consumption significantly.
Universal Coil Cleaner™	One product for multiple applications reduces inventory and eliminates potential product mis-application.
Super Concentrated	Lower cost per mixed gallon. Triple-D™ is a 6:1 dilution ratio, making 7 gallons of usable product per gallon of concentrate.
Multiple Packages/Forms	Available as a concentrated liquid, pre-diluted liquid, aerosol, or Granular Coil Cleaner™. Same product — different packages.
NSF Registered	Assurance that Triple-D™ is safe as a cleaner in restaurants, hospitals, government institutions, and any food preparation area. Rinse thoroughly after use.
Safe for Rubber Roofs	Does not damage engineered polymeric or rubber roofing.
Corrosion Inhibited	Conventional foaming acid and non-acid coil cleaners actually attack and chemically react with the aluminum (and sometimes copper) coil components. This reaction is exhibited by a foaming action. The reaction dissolves the aluminum, destroying the heat-transfer ability of the coil, and creates the potential for refrigerant leaks.
Biodegradable	Triple-D™ is manufactured from chemicals that break down naturally in the environment. When a coil is cleaned, the rinse water is typically washed into the storm sewer.
Non-Foaming	Foaming of coil cleaners is exhibited when the cleaner chemically reacts with the aluminum (and sometimes the copper) coil components. This reaction is exhibited by a foaming action. The reaction dissolves the aluminum, destroying the heat-transfer ability of the coil, and creates the potential for refrigerant leaks. Additionally, foaming action on foaming coil cleaners is an exothermic (heat generating) chemical reaction. This heat is extreme and can damage coils.
Non-Toxic	Triple-D™ is manufactured from chemicals that break down naturally in the environment. When a coil is cleaned, the rinse water is typically washed into the storm sewer. Conventional acid coil cleaners contain dangerous hydrofluoric acid that is extremely toxic to humans and animals. For complete details of how hazardous hydrofluoric acid is to humans and animals, download an independent acid exposure treatment guide at www.diversitech.com/literature/hfacid.pdf
Inhibited Non-Acid Formulation	Triple-D™ contains a unique inhibitor that allows for a very strong alkaline (non-acid) formulation that effectively cleans coils. Other non-acid coil cleaners are either too weak to effectively clean a coil, or are so strong (and hence foaming) that they attack the aluminum coil.