

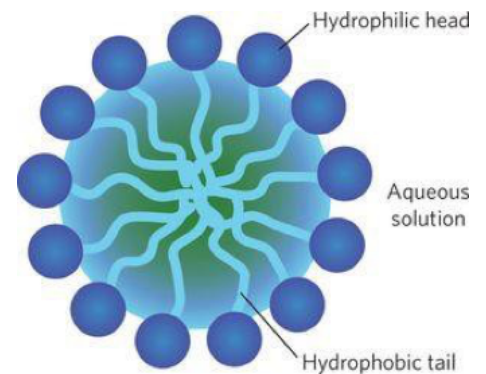
STORM range frequently asked questions

Are the chemicals unique to Storm?

All products within the Storm liquids and aerosols range have been produced specifically to our written specification and are therefore unique to us. We have global exclusivity of the Storm powder range within the HVAC/R industry.

What is “Microtech technology”?

Storm liquid and aerosol products, feature microscopic surfactants the size of dust particles, as part of the chemical compound. Surfactants include 2 ends – a hydrophilic head, which attaches to any solids and a hydrophobic tail, which provides optimum mobility within water. Essentially, when sprayed onto a surface, one end of the surfactant absorbs the solid (dirt) whilst the other end ensures it is easily flushed away (when the unit is rinsed).



What is “Ecotech technology”?

The Storm powder products have been uniquely developed as powerful, professional cleaning products, using EN food safe natural ingredients which are 100% environmentally (hence “Eco”) and user friendly, all in a highly concentrated powder formula.

What do we mean by “Deep Cleaning Technology”?

Whenever a chemical solution (liquids, powders or aerosols) is sprayed onto a soiled surface, the chemical solution works to clean deep under the surface and to ultimately remove the dirt, debris and deposits, leaving the surface cleaner for longer.

Which of our chemicals are foaming?

All of our everyday cleaning chemicals have an instant “foaming” effect rather than foam, caused by propelling the liquid from the spray gun bottles during application. The foaming action is important during the cleaning process as a foam format leaves a longer contact on the soiled surface than liquid does – essentially, foam runs off the soiled surface far slower than a liquid would. Though foaming is important, the use of aggressive chemicals, (which includes both acidic and caustic chemicals), causes foaming because the chemicals react with the aluminium creating hydrogen gas (as well as eating away at the aluminium surface). It is therefore essential that the intensity of foaming is carefully managed, by way of compound ingredients.

Foaming action: Evaporator Cleaner & Disinfectant, Condenser Cleaner, Universal Coil Cleaner & Case Cleaner

Non foaming action: Odour Neutraliser, Coil Coat, Leak Detector, Ice Machine Cleaner & Drain Unblock

Which chemicals require rinsing?

Rinsing is a very important part of the cleaning process. The foaming application helps the surfactants to slowly attach to the solids on the unit, then the rinsing action, (which is usually completed at a higher pressure than the application of the chemical), helps to dislodge and remove the dirt and soil.

Liquids:

Evaporator Cleaner & Disinfectant, Condenser Cleaner and Universal Coil Cleaner all require rinsing. The other Liquid chemicals, due to the application requirements should not be rinsed after application.

Aerosols:

Evaporator Cleaner & Freshener, Condenser Cleaner, Universal Coil Cleaner Coil and Portable AC Cleaner (coils) all require rinsing. All other aerosol chemicals, including Condenser Cleaner & Degreaser do not.

Powders:

Evaporator Cleaner & Freshener, Condenser Cleaner, Universal Coil Cleaner Coil Cleaner, Condenser Cleaner & Degreaser and Portable AC Cleaner (coils) all required rinsing. All other powder chemicals do not.

STORM range frequently asked questions

What is the difference between the liquid Universal Coil Cleaner and Evaporator Cleaner & Disinfectant super concentrate products?

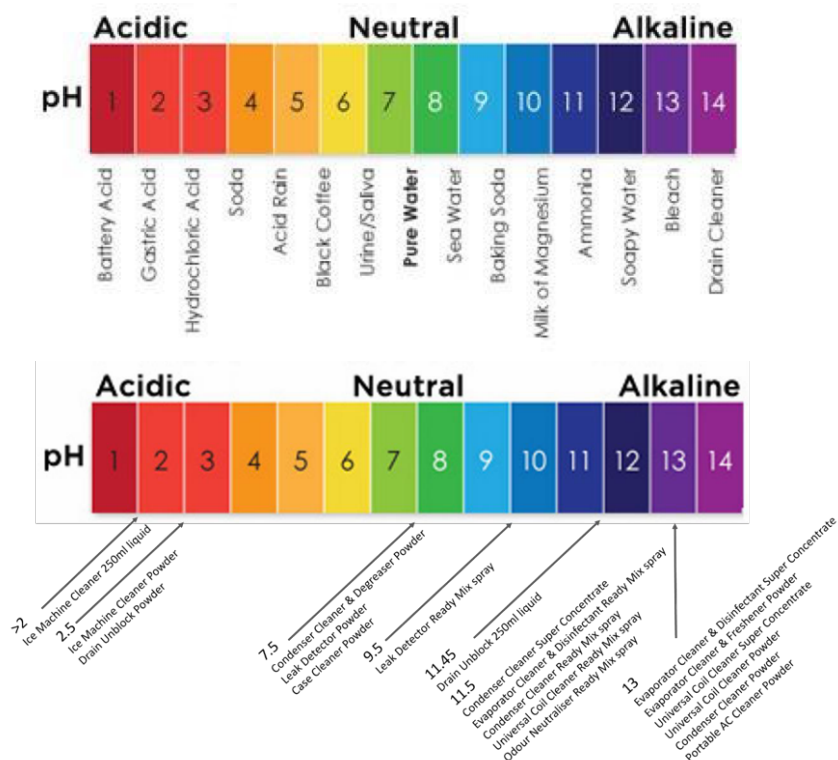
The Universal Coil Cleaner is suitable for cleaning Evaporator and Condenser coils only. The disinfectant ingredient within the Evaporator Cleaner & Disinfectant products ensures the solution is effective at cleaning the Evaporator case too.

What are the dilution ratios of our super concentrate products?

| Cleaning Product | Evaporator Cleaning | Condenser Cleaning |
|--|---|---|
| Evaporator Cleaner & Disinfectant Super concentrate 1l | 6 parts water / 1 part concentrate = 7 litres combined | Not suitable |
| Condenser Cleaner Super concentrate 1l | Not suitable | 5 parts water / 1 part concentrate = 6 litres combined |
| Universal Coil Cleaner Super concentrate 1l | 12 parts water / 1 part concentrate = 13 litres combined | 6 parts water / 1 part concentrate = 7 litres combined |
| Universal Coil Cleaner Ready mix 1l | This is mixed in the Condenser Cleaner dilution – i.e. 6:1 (if mixed weaker, it would not be suitable for Condenser cleaning – and therefore would not be a universal cleaner) | |

What is the pH value of our product range?

This pH value information for the Storm liquid and powder range is detailed within section 9 of the specific product SDS sheet.



NB. The level of acid or alkaline within an aqueous (water based) liquid determines the pH reading. Storm Coil Coat Ready mix and all aerosol products are non-aqueous liquids (not water based) and therefore are not included on a pH scale.

STORM range frequently asked questions

OPERATING TEMPERATURES

Minimum operating temperatures – for colder climates?

Liquids & aerosols

0°C or at just above freezing point if slightly different

Powders

0°C or at just above freezing point if slightly different

Maximum operating temperatures – warmer climates?

Liquids & aerosols

30-40°C. The chemicals start deteriorating at 40°C.

Powders

40°C.

STORAGE TEMPERATURES

Minimum operating temperatures – for colder climates?

Liquids & aerosols

0°C or at just above freezing point if slightly different

Powders

-40°C.

Maximum storage temperatures – warmer climates?

Liquids & aerosols

30-40°C. The chemicals start deteriorating at 40°C.

Powders

40°C.

SHELF LIFE OF PRODUCTS

What is the shelf life of our products - unopened?

Liquids & aerosols

2 years – as long as stored correctly in line with SDS instructions.

Powders

18months – as long as stored correctly in line with SDS instructions.

What is the shelf life of our products - opened?

Liquids & aerosols

2 years – as long as stored correctly in line with SDS instructions. However for optimum performance, we would recommend using the chemicals solutions as close to point of purchase as possible.

Powders

The products are provided within correct dosage prepared waterproof packaging. As soon as the packaging is opened, protection against the elements is lost. The packaging should only be opened immediately prior to dissolving the powder into water.

What is the shelf life of our chemicals when mixed with water?

Liquid concentrate:

Tap water = 4 weeks from mixing Deionised/Demineralised water = 6 months from mixing

Powders:

Tap water = 4 weeks from mixing Deionised/Demineralised water = 6 months from mixing

STORM range frequently asked questions

Is Condenser Cleaner & Degreaser suitable for indoor units?

Due to the ingredient formulation used within Condenser Cleaner & Degreaser aerosol and powder products for specifically dissolving grease, the products are suitable for use with outdoor condenser units only. Indoor evaporator units should instead be cleaned using Evaporator Cleaner & Disinfectant / Freshener, followed by Case Cleaner.

Why is the aerosol can half full, but will no longer spray out from the can?

Aerosols include the both the chemical liquid along with a propellant gas which expels the liquid when the button is pressed. If a can is half full but will no longer spray out of the can, the propellant gas has been expelled prior to the liquid chemical. The can should be shaken well before use and used in as upright position as possible, rather than being upside down or at a steep tilt.

For more information see www.stormchemicals.com