

APEX

QUARTERLY

FIRST QUARTER 2023

IN THIS ISSUE:

USING *RYDLYME* AT UNIVERSITIES TO CLEAN COOLING TOWERS, BOILERS & MORE!

SPRING START UPS ARE AROUND THE CORNER - USE *RYDALL CC* ON COILS!

RYDLYME DESCALES A FIRE TUBE BOILER WITH EASE!



NEWS ON SAFE
CHEMICAL SOLUTIONS
FROM APEX ENGINEERING
PRODUCTS CORPORATION

“Easily circulate **RYDLYME** through cooling towers, heat exchangers and much more! Save time & money!”



RYDLYME descaler is a highly effective tool that is designed to remove scale and buildup from a wide range of industrial equipment, including cooling towers, heat exchangers, chillers, boilers, and more - universities and other educational campuses use this equipment. This powerful chemical solution has been proven to be highly effective at removing even the most stubborn scale buildup, and it can be used in a variety of different applications across a range of industries.

For colleges, universities, and high schools, **RYDLYME** descaler can be an incredibly valuable product for maintaining and cleaning industrial equipment. These institutions often rely on complex heating & cooling systems to maintain comfortable temperatures for students, faculty, and staff, and these systems can become clogged with scale and buildup over time, leading to inefficiencies and decreased performance.

One of the key advantages of using **RYDLYME** descaler is that it is a safe and environmentally friendly solution that is non-toxic and biodegradable. This means that it can be used safely without posing a risk to workers or the environment, making it an ideal choice for educational institutions that prioritize safety and sustainability.

When it comes to descaling cooling towers, heat exchangers, chillers, boilers, and other industrial equipment, **RYDLYME** descaler is highly effective at removing scale and buildup without damaging the underlying equipment. It can be used in a variety of different applications, including removing calcium, lime, rust, and other mineral deposits.

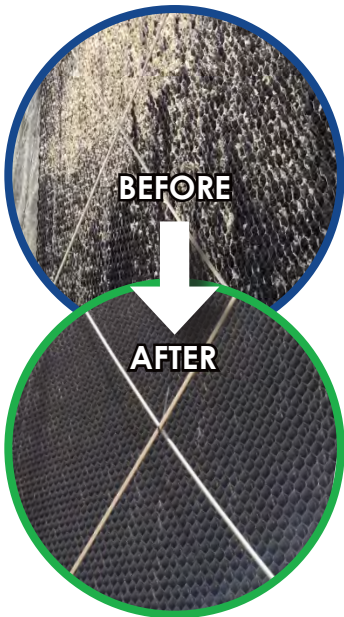
The process of using **RYDLYME** descaler is relatively simple and straightforward, and it can be completed in a matter of hours. First, the equipment to be cleaned is drained and flushed to remove any loose debris and

buildup. Then, the **RYDLYME** descaler solution is added to the system, and it is circulated throughout the equipment to dissolve and remove any remaining scale and buildup.

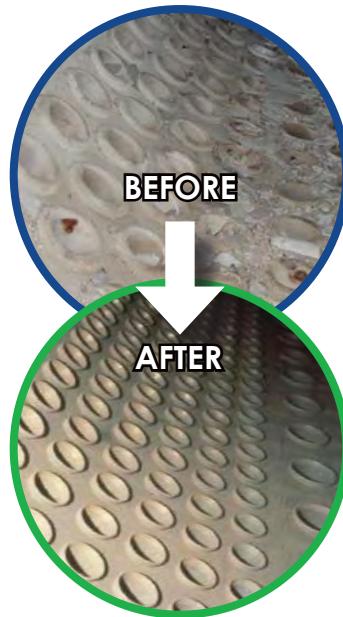
After the descaling process is complete, the equipment is thoroughly rinsed and flushed to remove any remaining traces of the solution, and it is ready to be put back into service. By using **RYDLYME** descaler on a regular basis, educational institutions can ensure that their industrial equipment is operating at peak efficiency, which can help to reduce energy costs and extend the lifespan of the equipment!

RYDLYME descaler is a highly effective and safe solution for descaling cooling towers, heat exchangers, chillers, boilers, and other industrial equipment in colleges, universities, and high schools. By using this powerful descaler, educational institutions can maintain their heating & cooling systems in top condition, ensuring that they are operating at peak efficiency and minimizing downtime due to equipment failures.

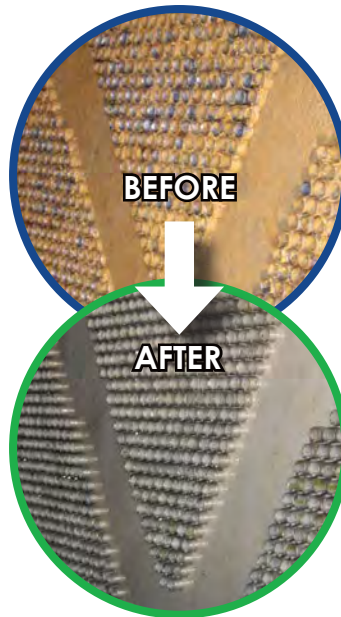
Cooling Tower Scale



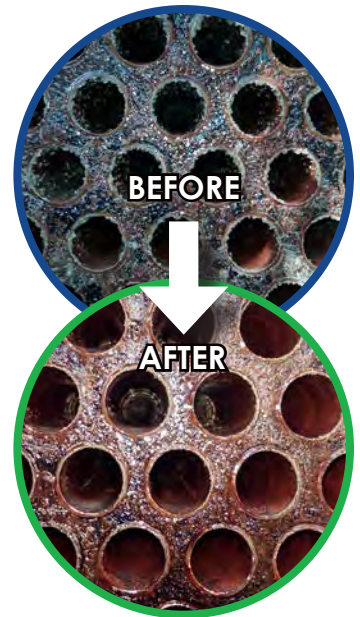
Boiler Scale



Condenser Scale

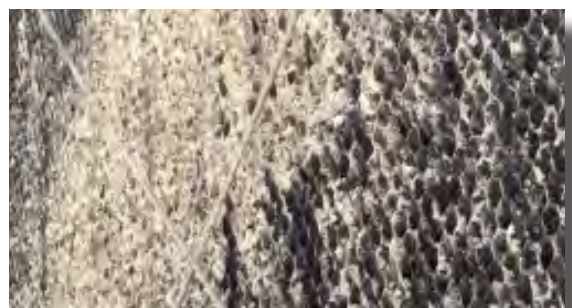


Chiller Scale



RYDLYME Features:

- Biodegradable
- Dissolves 2.2 lbs of scale per gallon
- NSF/ANSI 60 certified
- Non-corrosive and safe for personnel



RYDLYME Industrial Descaling Systems are specifically designed to circulate **RYDLYME** biodegradable descaler through a vast array of equipment and systems including heat exchangers, chiller & condensers, pipelines and more keeping your facility in peak operating condition.

We proudly offer Iwaki seal-less magnetic drive pumps and air powered double diaphragm pumps also available on a cart system.

RYDLYME
World's Leading Biodegradable Descaler
INDUSTRIAL DESCALING SYSTEMS

15PPC & 15MDC
Shown



Why clean your coils?

RYDALL CC Coil Cleaner safely and effectively cleans finned cooling and heating coils and associated equipment. **RYDALL CC** is non-corrosive and will not corrode or tarnish aluminum or other metal surfaces. It is also non-hazardous and biodegradable making it safe for personnel and the environment.

RYDALL CC is the most versatile coil cleaner available. It can be applied indoors or outdoors as a non-foaming spray or through a foaming applicator to penetrate deep into the coil beds eliminating the need to carry multiple products to successfully complete a job. **RYDALL CC** is also safe on all roofing materials, including rubber membranes. Use it on air-cooled condensers, permanent air filters, evaporator coils, window units, and any finned cooling and heating coils!



RYDALL CC
BIODEGRADABLE Coil Cleaner

FEATURES:

- Deep penetrating, foaming cleaner!
- Low odor acid-based formulation!
- Biodegradable & non-corrosive!
- Safe on all roofing materials!
- Fast acting!
- Indoor and outdoor usage!
- Removes oxidation and brightens!

FIRE TUBE BOILER DESCALING

A wire and cable manufacturer was experiencing severe scale build up in their Clever Brooks 250hp boiler. Due to the severity of the scale build up, it was recommended that the customer utilize two (2) 330 gallon totes of **RYDLYME** in two separate cleanings.

RYDLYME was circulated through the boiler at a 50% dilution with water for 8 hours. A visual inspection through the boiler's ports was conducted. The wire and cable manufacturer was thrilled! A second cleaning was then conducted to return the boiler to OEM specifications.

The maintenance team was very happy with the results of the **RYDLYME** cleaning and is implementing a preventative maintenance plan for the boiler.



CHALLENGE

A fire tube boiler at a wire and cable manufacturer was experiencing severe water scale.

SOLUTION

A total of 660 gallons of **RYDLYME** and water were circulated through the boiler at two separate cleaning events for 8 hours each.

RESULTS

The customer is extremely satisfied with the results of **RYDLYME** dissolving the scale in their fire tube boiler - **RYDLYME** is now being used in their preventative maintenance plan for scale build up.

DESCALER & PUMPING SYSTEMS



RYDLYME biodegradable descaler is uniquely formulated to dissolve the toughest water scale, lime scale, mud and rust deposits from virtually any water-operated equipment. NSF A3 and ANSI 60 certified.



RYDLYME Pumping Systems are specifically designed to circulate **RYDLYME** through a vast array of equipment and systems to keep your facility at peak operating condition.

CLEANERS & DEGREASERS



RYDALL CC Coil Cleaner is a biodegradable, concentrated solution that is safe for indoor and outdoor cleaning of air exposed surfaces on HVAC/R equipment. Dilutable and capable of being applied via foaming applicator. NSF A3 certified.



RYDALL MP Multi Purpose Degreaser is a biodegradable, versatile cleaner that quickly and safely removes oil, grease, grime and other pollutants from wettable surfaces and components. NSF A1 certified.



RYDALL HD Heavy Duty Degreaser is a biodegradable heavy duty, industrial grade degreaser. Used specifically on all carbon based derivatives that are found on the oil and/or process sides of your critical equipment or systems.



RYDALL VP Specialized Degreaser is a biodegradable, pH neutral degreaser specifically designed to safely and quickly clean and degas refinery process equipment. It can be applied in circulation or vapor phase applications.



RYDALL DC Deodorizing Cleaner is a biodegradable, ultra-concentrated cleaner designed to be used generally in janitorial applications such as floor, bathroom and window cleaning.

ODOR CONTROL & WATER TREATMENT



RYDALL OE Odor Eliminator is a unique, environmentally beneficial additive that is applied to landfills, compost or other organic odors. Naturally enhances methane release and production. Contains no masking agents, essential oils or fragrances.



RYDALL WO Water Optimizer is an environmentally beneficial additive that naturally reduces and prevents the formation of H₂S, COD, BOD, FOG, TDS and TSS. Thereby reducing corrosion and discharge penalties while increasing production.



BUCKED SCENT ELIMINATOR is born and bred from our industrial products, BUCKED is designed to eliminate the scent hunters carry in order to be invisible!

1241 Shoreline Drive Aurora, Illinois 60504 T: 630.820.8888 | 800.451.6291 | F: 630.820.8886 | MADE IN THE USA

Apex Engineering Products has been formulating and manufacturing safe and biodegradable specialty cleaning chemicals for a diverse range of applications around the world. From our **RYDLYME** biodegradable descaler to our versatile **RYDALL** line of degreaser/cleaner, odor control and water treatment products, we aim to decrease downtime and increase efficiency.

We are a fourth-generation, family-owned company acclaimed not only for our biodegradable line of products, but also our in-depth and exceptional customer support. With decades of knowledge and experience in a wide array of applications, our professional technicians will work closely with you to determine the best solution for your facility's unique challenges.

Apex Engineering Products also takes great pride in being an ISO 9001 Certified Company providing the highest level of support and quality of products to our customers... **another formula that hasn't changed in over 80 years!**