

APEX

QUARTERLY

SECOND QUARTER 2020

AP
ENGINEERING
PRODUCTS
CORPORATION™

Non-Sterile Solution
**HAND
SANITIZER**
ISOPROPYL ALCOHOL ANTISEPTIC 75% TOPICAL SOLUTION

Purpose
Antiseptic

Directions
• Place enough product on hands to cover all surfaces. Rub hands together for 20 seconds.
• Supervise children under 6 years of age while using this product to avoid ingestion.

Other information
• Store between 15-30C (59-86F).
• Avoid freezing and excessive heat.

Inactive ingredients glycerol, hydroxyethylcellulose, sodium hydroxide, water.

1241 Shoreline Drive Aurora, IL 60504 630-820-8888

LIQUID HAND SANITIZER - THOUSANDS OF GALLONS IN STOCK AND READY TO SHIP!

RYDLYME HELPS A FINANCIAL INSTITUTION CLEAN THEIR CHILLER BANK!

INDUSTRIAL DESCALING SYSTEMS - WHICH SYSTEM COMPLIMENTS BEST?



**NEWS ON SAFE
CHEMICAL SOLUTIONS
FROM APEX ENGINEERING
PRODUCTS CORPORATION**

Non-Sterile Solution

HAND SANITIZER

ISOPROPYL ALCOHOL ANTISEPTIC 75% TOPICAL SOLUTION



A CHANGE IN PRODUCTION

Apex Engineering Products Corporation (AEPC), manufacturer of the *World's Leading Biodegradable Descaler*, **RYDLYME**, is committed to providing high quality specialty chemicals that meet or exceed our customers requirements in a timely fashion. In these unprecedented circumstances, we urgently, yet effectively, retooled a portion of our production/manufacturing facility to focus on making more essential products. AEPC is now manufacturing hand sanitizer at our Aurora, IL headquarters and will continue to do so as FDA guidance allows. Production of our hand sanitizer will help keep your personnel on the front lines safe and able to continue to provide essential services. SDS and other information are available on our website, www.ApexEngineeringProducts.com.

HAND SANITIZER

Formulated according to WHO guidance, AEPC's Hand Sanitizer utilizes an Isopropyl Alcohol Antiseptic 75% Topical Solution which helps reduce bacteria that potentially can cause disease. Manufactured in *liquid form*, this hand sanitizer can be easily distributed to refill sanitizer pumps or stations from the

transparent 1 gallon container or can be poured directly on personnel's hands with the easy to grab handle. Liquid can also be sprayed on hard surfaces. This product is meant to be used when soap and water are not available. AEPC's Hand Sanitizer is fragrance free and contains no dyes. (NDC: 74989-075-01)

WHEN USING THIS PRODUCT

Keep out of eyes, ears, and mouth. In case of contact with eyes, rinse eyes thoroughly with water. Stop use and ask a doctor if irritation or rash occurs. These may be signs of a serious condition.

DIRECTIONS

Place enough product on hands to cover all surfaces. Rub hands together until dry. Supervise children under 6 years of age while using this product to avoid swallowing.

ALL SALES ARE FINAL

We cannot accept any returns, cancellations or offer refunds. All sales are final. This policy is to help facilitate the increased demand of sanitation products during this public health emergency. 3% charge on all credit card orders.



FINANCIAL INSTITUTION CHILLER CLEANING

A large financial institution was having serious issues with water scale deposits which had accumulated in their 600 ton chiller. Approach temperature per the chiller's design specification was 3°F. This value had skyrocketed to upwards of 12°F and reduced the chiller's capacity to barely 80%. However, while operating at this level the approach temperature was still two degrees above normal. Previously, the chiller had been cleaned with harsh acids which had corroded the walls of the copper tubes in the condenser. This prohibited further use of corrosive acids to clean the system. A senior technician fortunately remembered using **RYDLYME** at his previous casino operation and immediately contacted Apex Engineering Products to facilitate a solution as soon as possible.

The chiller equipment was identified and prescribed 110 gallons of **RYDLYME** to circulate a 50% solution. The **RYDLYME** along with a descaling system was delivered within 24 hours and setup for cleaning. The onsite engineer circulated the solution through the condenser for the recommended five hour period. After bringing the chiller back online, the approach temperature was reduced to just 1.5°F! The unnecessary energy cost due to the scale accumulation were recovered and the net savings from using **RYDLYME** were in excess of \$8,000 with a payback period of less than three months. The senior technician was now able to draw on these results and revise the PM schedule on two other chillers at the facility to utilize **RYDLYME**. Another \$20,000 in savings, interest free!!



CHALLENGE

A financial institution's 600 ton chiller scaled with mineral deposits had approach temperatures almost 10°F above normal.

SOLUTION

Next day delivery of 110 gallons of **RYDLYME** and descaling system to circulate for 5 hours.

RESULTS

Return to within OEM specification of 1.5°F approach, net energy savings of \$8,000 and an additional \$20,000 in savings after the neighboring chillers were cleaned.

INDUSTRIAL DESCALING SYSTEMS

Apex Engineering Products has been manufacturing **RYDLYME** since 1942. Any customer who has used **RYDLYME** knows how safe, effective and easy it is to use with wonderful end results and improved efficiencies on various equipment. Apex Engineering Products' technical team recommends that **RYDLYME** be circulated throughout the equipment being cleaned. An easy and convenient way to circulate is with one of our many industrial descaling pumping systems.

These descaling systems, specifically manufactured in house for the use of **RYDLYME**, make cleaning cooling towers, heat exchangers, condensers, vacuum pumps, boilers, chillers and any other water-based equipment a snap. Each of our systems come with robust circulating buckets, Ipex true union valves, Iwaki pumps and many other features that make circulating **RYDLYME** easy. View these industrial descaling systems and other biodegradable and safe products on our website www.ApexEngineeringProducts.com.



15MDC



15MDC



10PPC



10CIP



10MDC



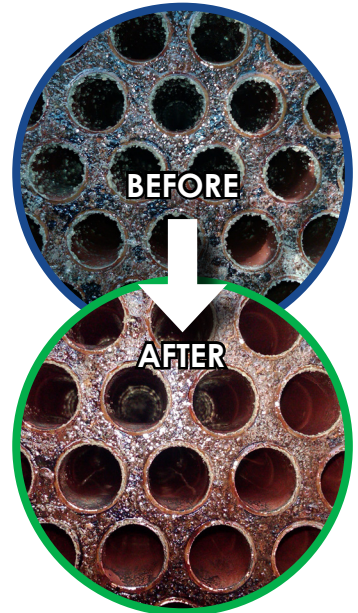
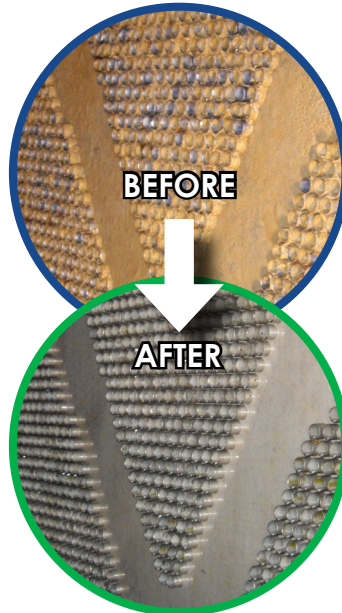
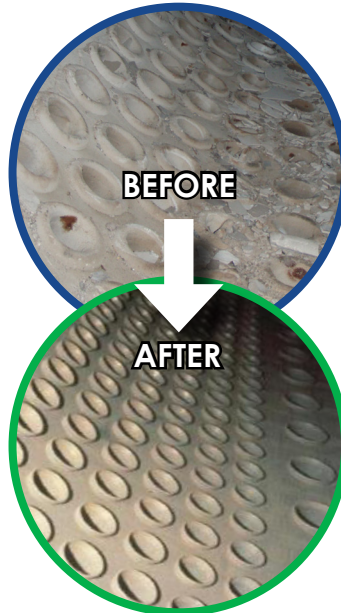
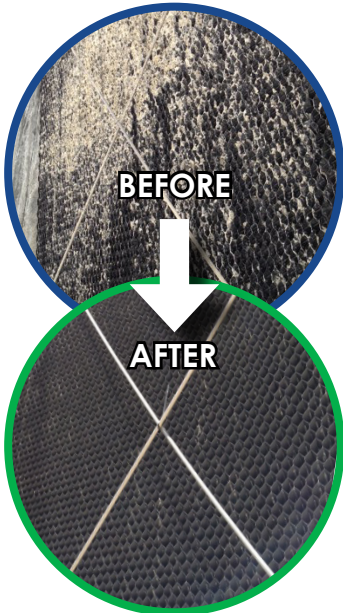
PumpMaster 115

Cooling Tower Scale

Boiler Scale

Condenser Scale

Chiller Scale



Give us a call to discuss your specific application and suitable descaling systems!

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 & HAND SANITIZER



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.



HAND SANITIZER is formulated according to WHO guidance, AEPC's Hand Sanitizer utilizes an Isopropyl Alcohol Antiseptic 75% Topical Solution which helps reduce bacteria that potentially can cause disease.

ODOR CONTROL, WATER TREATMENT & WASTE CONVERSION



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.



AEPC Thermal is a division of Apex Engineering Products Corporation (AEPC). Our mobile waste conversion plants are trailer mounted and ready for deployment!

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 more than 75 years!**