

# APEX

QUARTERLY

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**IN THIS ISSUE:**

**WHAT'S THE DIFFERENCE BETWEEN USING A HARSH ACID AND USING *RYDLYME*?**

***RYDALL HD* REMOVES GREASE & SLUDGE BUILDUP FROM STAINLESS STEEL FILTERS!**

**INDUSTRIAL DESCALING SYSTEM 15PPC - NEW VIDEO AVAILABLE!**



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

# “IT’S JUST LIKE **RYDLYME**...” THINK AGAIN.

“What’s the difference between using acid and using **RYDLYME**?”

When the time comes to descale your equipment, diligently think about what options you have. When cleanings utilize acid or harsher chemicals to descale, they risk results shown to the right. That’s when the realization comes into play - I wish I had used **RYDLYME**!

**RYDLYME** has been used for over 80 years and has earned the reputation of being the **World’s Leading Biodegradable Descaler** by countless customers and OEMs. **RYDLYME** has often been imitated, but never duplicated. While the proverbial phrase “imitation is the sincerest form of flattery” holds true in this case, it is misleading. It is putting the health and safety of customers, as well as equipment, at risk. The unique and complex formulation and blending process of **RYDLYME** gives it the ideal balance of effectiveness and safety. **NO** other formulation can duplicate that, and stating otherwise is grossly deceptive.

Ask yourself, would you rather use a harsh chemical that could destroy your equipment (shown on the right) or would you rather use the World’s Leading Biodegradable Descaler, **RYDLYME**?

## A truly safe & biodegradable descaler

**RYDLYME** descaler is the **ONLY** product of its kind that is truly non-toxic and biodegradable! Unlike other chemical descalers and traditional harsh acids, **RYDLYME** can be safely handled by personnel and there are **NO** transportation or handling restrictions! It can be safely disposed in normal plant sewers, even in the case of an accidental spill at full concentration!

**RYDLYME** descaler is certified by an EPA-approved testing laboratory as a fully biodegradable and environmentally friendly chemical. While other chemical descalers claim to be biodegradable, it does not equate to overall safety. In fact, many of them are classified as hazardous chemicals and have special handling requirements.

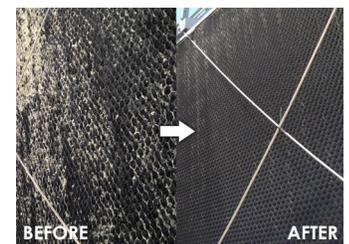
Additionally, **RYDLYME** quickly dissolves a wide array of mineral deposits and is safe on all materials associated with water-operated equipment and systems, including copper, brass, rubber and even stainless steel!

**ALL IN A SINGLE PRODUCT!**



  
Click to watch  
the video!

**RYDLYME** can be purchased in various sized containers to solve your scale issues.



## DIE CASTING LUBE OIL FILTER CLEANING

A die casting company was having issues with their metal filters being clogged with a heat transfer oil. The filters would become so clogged, that oil would not be able to flow through! Originally, the company was soaking these filters, 50 at a time, in a caustic degreaser for **days** before pressure washing - and still, the filters were not completely clean. Looking for an alternative safe, quick and biodegradable degreaser, **RYDALL HD** was the only choice!

A circulation bath was set up at ambient temperature and **RYDALL HD** was circulated at 100% for 3 hours followed by a rinse with fresh water. The results brought these filters to brand new! The filters are now ready to be brought back into service until the next cleaning. The customer has now made the transition from the previous product used to **RYDALL HD**, and is setting up a preventative maintenance program to ensure the filters are clean and are operating at peak performance.



### CHALLENGE

Die casting lube oil filters were severely clogged with heat transfer oil and sludge. The customer did not have an efficient way of cleaning the filters.

### SOLUTION

5 gallons of **RYDALL HD** was circulated at ambient temperature for 3 hours followed by a light rinse with fresh water.

### RESULTS

The oil sludge and clogs were completely removed from the filters! These filters are now ready to be put into service in less than 4 hours of cleaning!



RYDLYME descaler and 15PPO pump cleaning large equipment.

## RYDLYME Descaling System 15PPC

### 1.5" Pneumatic Pump Cart - Model 15PPC

The 1.5" durable pump unit is assembled on a 2'X4' heavy duty plastic cart with 8" swivel wheels. This high quality system contains a 30-gallon circulation bucket with a drain valve coupled via bulkhead fittings to multiple IpeX True Union Valves for simplistic and versatile operation. The 15PPC is capable of achieving 50 GPM at 150' of head.

The extremely rigid, air operated double diaphragm, **15PPO**, is mounted directly to the cart and comes with three 1.5" diameter X 10' hoses. A filter regulator and pressure gauge are also included. A by-pass system is hard piped into this unit to accommodate both small and large applications, as well as water flushing the unit upon completion. The system is fully assembled and ready for immediate use as a **15PPC**.

### RYDLYME Descaling System 15PPC Features:

- Multiple 1.5" fittings with IpeX True Union Valves
- 2'X4' heavy duty plastic cart with 8" wheels
- 30-gallon circulation bucket with drain valve
- Three 1.5" diameter 10' hoses
- Air filter regulator
- Pressure gauge

### RYDLYME Descaling System 15PPC Applications:

- Cooling towers
- Boilers
- Heat exchangers
- Chillers
- Condensers
- Vacuum pumps
- And much more!



Click to watch  
the video!

RYDLYME can be purchased in various sized containers to solve your scale issues.

## 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 H<sub>2</sub>S, 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 nearly 80 years!**