

Manufactured Since 1942 by: Apex Engineering Products Corporation

RYDLYME

World's Leading Biodegradable Descaler

The RYDLYME Story

RYDLYME dissolves water scale, lime, mud and rust deposits safely, quickly and effectively!



*the solution to your
water scale problems*

What is **RYDLYME**?

RYDLYME is the trade name of our scientifically formulated descaler. **RYDLYME** is specifically designed to dissolve the toughest water scale, lime, mud and rust deposits from virtually any piece of water-based equipment. This powerful, yet totally safe, liquid descaler is non-toxic, non-injurious, non-flammable, non-hazardous, non-corrosive and BIODEGRADABLE; so **RYDLYME** will not harm your personnel, equipment or our environment!



RYDLYME was developed in 1942 and has grown to be the product of choice for customers in nearly all industry categories. **RYDLYME** is an extremely innovative and unique solution fortified with wetting and penetrating agents to actually dissolve deposits into solution, like sugar in coffee. This revolutionary liquid is time tested and proven to be the safest and most cost effective solution for fouled equipment or systems. Thanks to our valued customers, **RYDLYME** is the "World's Leading Biodegradable Descaler"!

RYDLYME has been tested (by EPA licensed testing facilities), and proven to be biodegradable, so disposal is not a problem. Even in concentrate (as received) form, it can be flushed down normal plant sewers. **RYDLYME** has accumulated numerous approvals and recommendations in over 75 years of use. **RYDLYME** is certified to NSF/ANSI 60 as a cleaner for drinking water systems and NSF registered for use in beverage, pharmaceutical, bottling, poultry and other food processing plants as well as manufactured in an ISO 9001 facility. For over four generations, countless OEM's have trusted **RYDLYME** for safe and effective use in their equipment.

Only **RYDLYME** does it so SAFELY, SIMPLY, RAPIDLY and ECONOMICALLY!



RYDLYME is biodegradable and safe for your equipment, personnel and the environment!

RYDLYME IS NON-CORROSIVE

It will not erode, pit, oxidize or have other deleterious effects on metals or materials such as:

- IRON
- FIBER
- STEEL
- BRASS
- GLASS
- NICKEL
- COPPER
- RUBBER
- PLASTIC
- CERAMIC
- TITANIUM
- STAINLESS

Or other materials found in water-based equipment or systems.



Why Should You Use **RYDLYME**?

Water scale, lime, mud and rust deposits are a serious problem for virtually all industries who use water as an integral part of their manufacturing and heating/cooling processes. Equipment or systems with clean water passages operate in a designed and effective manner. Once the water-based equipment or systems become fouled with scale, efficiency decreases, energy costs increase and the useful life of equipment is diminished. Failure to address water scale problems in a timely manner runs the serious risk of costly equipment or system shutdowns, repairs, or even replacement.



Fortunately, there is a solution! Periodic **RYDLYME** cleaning will dissolve these deposits into solution restoring efficiency, conserving energy, extending the equipment's useful life and reducing the risk of costly repairs, replacement or plant downtime. Arming your plant and personnel with **RYDLYME** as an integral part of your preventive or predictive maintenance program will provide you with a weapon that is easy to use, efficient and safe. **RYDLYME** cleaning allows equipment or systems to be cleaned without labor intensive dismantling or removal. Some systems can be cleaned on the run and without shutdown. **RYDLYME** cleaning can be performed by utilizing your own personnel, eliminating costly additional outside expenses. **RYDLYME** works quickly and efficiently, with most applications completely clean in a matter of hours. **RYDLYME** is safe enough to hold in your open hand, does not require any neutralizing or pacifying and is free rinsing with water. **RYDLYME** has a pleasant odor and does not exude any obnoxious or toxic vapors when dissolving water scale, lime, or rust deposits.

Visit our website for videos, case studies, news and technical expertise!



RYDLYME has been thoroughly tested, approved, and is used extensively by the U.S. Navy. It has become an integral part of their maintenance programs onboard surface ships, submarines and aircraft carriers.

SUMMARY

Now that you have learned what **RYDLYME** is all about, take a few minutes to think about how and why **RYDLYME** should be a part of your preventive maintenance program.

- ✓ **RYDLYME** is Effective!
It dissolves approximately 2 lbs. of lime per gallon!
- ✓ **RYDLYME** is Non-corrosive!
Safe to use on metals found in water systems!
- ✓ **RYDLYME** is Biodegradable!
It has a very low BOD and can be disposed of down normal plant sewers!
- ✓ **RYDLYME** is Safe!
It can be held in the open hand without injury!
- ✓ **RYDLYME** is Economical!
Contact us to perform a **RYDLYME** Cost Savings Analysis of your next application!
- ✓ **RYDLYME** is Approved!
NSF/ANSI 60, NSF, U.S. Navy and many others!
- ✓ **RYDLYME** is always in Stock!
Inquire today to receive a free sample and schedule your next preventative maintenance cleaning!

Who Uses **RYDLYME**?

The following is a brief list of customers, by industry, where **RYDLYME** has proven to be beneficial in maintaining their water based equipment or systems at peak efficiency.

■ AUTOMOTIVE

- General Motors
- Chrysler Corporation
- Ford Motor Company
- Hyundai Motor America

RYDLYME used on closed circuit cooling, air compressors, heat exchangers, dynamometer test stands, extruders, molding machines, parts washers, electric welder guns.

■ BEVERAGES

- Anheuser-Busch
- Pepsi Cola Bottling
- Miller Brewing Company
- Coors Brewing Company

RYDLYME used in bottle washers, rinse tanks, heat exchangers, CO2 generators, refrigeration, booster heaters.

■ CHEMICALS

- Dow
- Sabic
- Bayer
- DuPont
- BASF Corporation

RYDLYME used for cleaning condensers, exchangers, mixers, reactors, jacketed kettles, vacuum pumps, dryers, extruders.

■ FOOD

- ADM
- Tyson
- Nestlé
- Cargill
- ConAgra
- Kraft Foods
- General Mills

RYDLYME used for low temperature refrigeration & process equipment, cooling towers & evaporative condensers, heat exchangers.

■ GOVERNMENT

- NASA
- Pentagon
- White House
- U.S. Armed Forces
- Department of Corrections

RYDLYME used on heat exchangers, vacuum furnaces, condensers, evaporators, boilers, cooling towers.

■ HVAC

- Daikin Applied
- Ingersoll Rand
- Johnson Controls
- Carrier Corporation
- United Refrigeration

RYDLYME used on evaporative condensers, shell & tube condensers, centrifugal chillers, absorption units.

■ MANUFACTURING

- GE
- 3M
- Intel
- Boeing
- Lockheed Martin
- S.C. Johnson & Son, Inc.

RYDLYME used on closed circuit cooling, vacuum filters, vacuum furnaces, heat exchangers, parts washers, chillers.

■ PAPER

- WestRock
- Georgia Pacific
- Domtar Industries
- International Paper
- Kimberly-Clark Corporation

RYDLYME used on vacuum pumps, mill & calendar rolls, liquor lines & tanks, closed circuit cooling, evaporators, air compressors, condensers, digesters.

■ PHARMACEUTICALS

- AbbVie
- Pfizer, Inc.
- Merck & Co.
- Eli Lilly & Company

RYDLYME used on closed circuit cooling, heat exchangers, condensers, reactor vessels, vacuum pumps, stills, sterilizers.

■ REFINERIES

- BP
- Total
- Shell
- ExxonMobil
- ConocoPhillips

RYDLYME used on condensers, heat exchangers, crackers, converters, compressors, pumps, piping.

■ RUBBER

- Michelin
- Veyance Technologies
- Goodyear Tire & Rubber
- Bridgestone / Firestone, Inc.

RYDLYME used on Banbury mixers, extruders, tubers, mill & calendar rolls, compressors.

■ STEEL & METALS

- Alcoa
- ArcelorMittal
- Kaman Industrial
- U.S. Steel Corporation

RYDLYME used on compressors, exchangers, mill rolls, furnaces, smelters, cooling towers, motor coolers, cast house cooling, minimum spangle units.

■ UTILITIES

- AEP
- Excelon
- Xcel Energy
- Duke Energy
- Southern Companies

RYDLYME used on exchangers, condensers, compressors, closed circuit cooling, cooling towers.



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