

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 is the solution to your water scale problems!

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 now 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 50 years of use. **RYDLYME** has been approved by the USDA and the FDA for use in food, beverage, pharmaceutical, poultry, and other processing plants. OEM manufacturers such as Ingersoll-Rand, Joy, Cooper, Ipsen International, Sihi, AGC, Sullair, Nash, Hatco, Siemens, and numerous others recommend **RYDLYME** for 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 You Should 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.



RYDLYME works quickly and efficiently to dissolve water scale, lime, mud and rust deposits

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 shut-down. **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.

Only **RYDLYME** performs so SAFELY, SIMPLY, RAPIDLY and ECONOMICALLY!



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-Hazardous!**
It does not fall under any of the seven federally designated classes of hazardous waste!
- RYDLYME is Biodegradable!**
It has a biochemical oxygen demand of 16 mg/l and can be disposed of through normal plant sewers!
- RYDLYME is Safe!**
It can be held in the open hand without injury!
- RYDLYME is Economical!**
Call us at 800-451-6291 to learn how an investment in **RYDLYME** can multiply your efficiency!
- RYDLYME is Approved!**
USDA, FDA, Kosher, U.S. Navy, and many others!

RYDLYME is the Solution

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
- Ford Motor Company
- Daimler Chrysler Corporation

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

■ BEVERAGES

- Adolph Coors
- Anheuser-Busch
- Coca-Cola Bottling
- Pepsi Cola Bottling

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

■ CHEMICALS

- Dow
- Bayer
- DuPont
- BASF Corporation
- ISP Chemical Corporation

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

■ FOOD

- ADM
- Tyson
- Cargill
- Kraft Foods
- Best Foods Company

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

■ HVAC

- Trane Company
- York International
- Carrier Corporation

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

■ MANUFACTURING

- Intel
- Navistar
- Rolls Royce
- Caterpillar, Inc.
- IBM Corporation

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

■ MARINE

- Crowley
- U.S. Navy
- Australian Navy
- U.S. Coast Guard

RYDLYME used on exchangers, condensers, engine cooling systems, CHT systems, evaporators, distilling units, boilers, jet blast deflectors (JBD's).

■ PAPER

- Willamette
- Georgia Pacific
- International Paper
- Smurfit Stone Container
- Kimberly-Clark Corporation

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

■ PHARMACEUTICALS

- Pfizer, Inc.
- Pharmacia Upjohn
- Eli Lilly & Company
- Abbott Laboratories

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

■ REFINERIES

- Pemex
- Suncor
- BP Amoco
- Sinclair Oil

RYDLYME used on condensers, heat exchangers, crackers, converters, com-pressors, pumps, piping.

■ RUBBER

- Kelly Springfield Tire
- Dayton Tire & Rubber
- Goodyear Tire & Rubber
- Bridgestone / Firestone, Inc.

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

■ STEEL & METALS

- Alcoa
- LTV Steel
- Inland Steel
- USX Corporation
- Timken Company

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

■ UTILITIES

- Wisconsin Electric
- Midwest Generation
- Cincinnati Gas & Light
- Southern California Edison
- Public Service Co. of Colorado
- TVA Browns Ferry Nuclear Plant

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

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Proudly Made



in the U.S.A.



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RYDLYME is registered in the United States
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