

Rely+On® Virkon®

Broad Spectrum Disinfectant

INSTITUTIONAL, FOOD PROCESSING, AND PUBLIC SERVICE FACILITIES

- Rely+On® Virkon®, Cleans and Disinfects in one step*
- NSF listing (D1)
- Hospital disinfectant
- Compatible with most hard non-porous surfaces.

*when used according to disinfection/sanitization use directions

Easy to Prepare

Readily soluble in tap water, Rely+On® Virkon® dissolves into a yellow solution. A 1% solution is stable as a broad spectrum disinfectant for 7 days.**

Contact Time: Allow surface to remain wet for 10 minutes.

** Please consult the Rely+On® Virkon® product container label for a comprehensive list of organisms & directions for use.

Presentations



Rely+On® Virkon® Powder (at a 1% solution)

- 5kg pail – makes 135 gallons (total sq. ft. disinfectant coverage = 18,225 sq. ft.)

Rely+On® Virkon® Tablets

Convenient to store and easy to handle; simplifies accurate dosing of a disinfectant solution.

- 12 x 50 x 5g tablets – makes 6.25 gallons (total sq. ft. disinfectant coverage = 844 sq. ft.)

**Effective against
Norovirus (Norwalk
virus), H1N1
Influenza A Virus,
Salmonella enterica
and Campylobacter
jejuni.**

**Kills SARS-CoV-2
on hard non-porous
surfaces in 1 minute!**

**Efficacious against
prevalent hospital
pathogens such as
MRSA, VRE and RSV.**

**Efficacious against
prevalent foodborne
pathogens such as
Hepatitis A Virus and
E. coli O157:H7.**

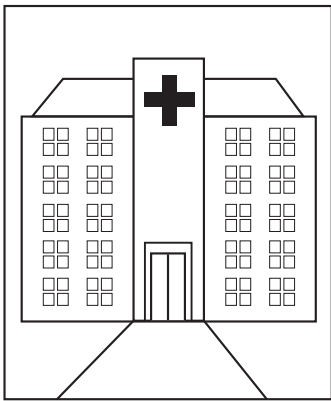
Mode of Action

Rely+On® Virkon® oxidizes key structures and compounds, such as proteins, leading to widespread, irreversible damage and subsequent deactivation/ destruction of the microorganism. There is no evidence to suggest that bacterial disease-causing organisms develop resistance towards Rely+On® Virkon®.

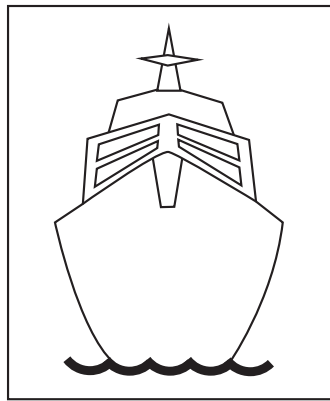
Applications

For use in cleaning and disinfecting hard non-porous surfaces in institutional, commercial and public service facilities including hospitals and nursing homes, field medical units, medical and dental offices, clinics and other healthcare facilities, Emergency Medical Services (EMS) facilities, equipment and gear including respirators, laboratories, schools and daycare centers, food processing plants, equipment and warehouses, correctional facilities, and transportation terminals and vehicles including ships, trucks and trains.

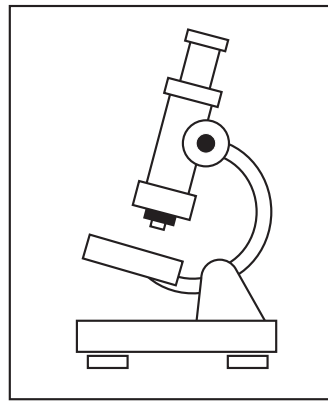
HOSPITALS



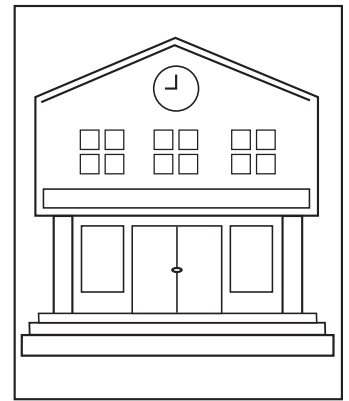
CRUISE SHIPS



LABORATORIES



SCHOOLS



Cleaning and Disinfecting Hard Non-porous Food Contact Surfaces:

- Remove visible dirt and prepare a 1% solution according to the table on page 3.
- When preparing the solution, allow 10 minutes for complete dissolution, mixing periodically as needed.
- Apply to surface using a sponge, brush or spray device until the surface is visibly clean.
- Allow surfaces to remain visibly wet for 10 minutes and rinse with potable water.



Cleaning and Disinfecting Hard Non-porous Non-Food Contact Surfaces:

- Remove visible dirt and prepare a 1% solution according to the table below.
- When preparing the solution, allow 10 minutes for complete dissolution, mixing periodically as needed.
- Apply to surface using a mop, sponge, brush or spray device until the surface is visibly clean.
- Allow surfaces to remain visibly wet for 10 minutes and air dry.
- In cases of fungal contamination of non-food contact surfaces, follow these instructions substituting a 2% Rely+On® Virkon® solution.



This product is not to be used on any surface or instrument that (1) is introduced directly into the human body, either into or in contact with the bloodstream or normally sterile areas of the body, or (2) contacts intact mucous membranes but which does not ordinarily penetrate the blood barrier or otherwise enter normally sterile areas of the body.

Dilution Table

Choose a product option from the list below		Add the following amount of Rely+On® Virkon® to the designated volume of water.				
Rely+On® Virkon®		1% Use-Diluted Solution				
Metric	Standard	16 oz. (Pint)	32 oz. (Quart)	128 oz. (Gallon)	160 oz. (5 Quarts)	160 oz. (5 Gallons)
5 g Tablet	0.18 oz. Tablet	1 Tablet	2 Tablets	8 Tablets	10 Tablets	40 Tablets
5 kg Bucket	176 oz. Bucket	1 tsp.	2 tsp.	8 tsp.	10 tsp.	40 tsp.
2% Use-Diluted Solution						
5 g Tablet	0.18 oz. Tablet	2 Tablets	4 Tablets	16 Tablets	20 Tablets	80 Tablets
5 kg Bucket	176 oz. Bucket	2 tsp.	4 tsp.	16 tsp. (1/3 cup)	20 tsp.	1 - 2/3 cups

[tsp=teaspoon] [Tbsp=tablespoon]

How to make a 1:600^{††} dilution of Rely+On® Virkon®
1:600^{††} dilution is equal to 1 scoop (1.3oz) of Rely+On® Virkon® in 6 Gallons of water.

Quantity of Water	1:600 Solution ^{††}
6 Gallons	1.1 ounces/1 Scoop
10 Gallons	2.2 ounces/2 Scoops
50 Gallons	11.0 ounces/9 Scoops

^{††} Now approved in California.

Rely+On® Virkon® Human Health Pathogen/Disease

New Efficacy Claims at Reduced Contact Time or Lower Dilution - Limited to these specific and known pathogens (denoted in bold)

SARS-CoV-2 1:100 dilution rate 1 minute on hard, non-porous surfaces

H1N1 1:100 dilution rate 30 seconds

H1N1 1:600 dilution rate 10 minutes^{††}

Hepatitis A Virus (HAV)	<i>Campylobacter jejuni</i>	<i>Salmonella enterica</i>
Hepatitis B Virus (HBV)	<i>Chlamydia psittaci</i>	<i>Pseudomonas aeruginosa</i>
Hepatitis C Virus (HCV)	<i>Clostridium perfringens</i>	<i>Staphylococcus aureus</i>
HIV (AIDS virus)	<i>Listeria monocytogenes</i>	<i>Staphylococcus epidermidis</i>
H1N1 Influenza A Virus	<i>Shigella sonnei</i>	<i>Methicillin-Resistant Staphylococcus aureus (MRSA)</i>
Respiratory Syncytial Virus (RSV)	<i>Streptococcus pyogenes</i>	<i>Vancomycin-Resistant Enterococcus faecalis (VRE)</i>
Norovirus (Norwalk virus)	<i>Helicobacter pylori</i>	<i>Candida albicans</i>
Avian Influenza Virus (H3N2)	<i>Klebsiella pneumoniae</i>	<i>Trichophyton mentagrophytes</i>
SARS-CoV-2	<i>Escherichia coli</i> (O157:H7)	
<i>Bacillus cereus</i>	<i>Salmonella typhimurium</i>	

Disinfection of Hard Non-porous Surfaces:

For bacterial and viral* control: Streptococcus pyogenes, Helicobacter pylori, Klebsiella pneumoniae, Escherichia coli, Salmonella typhimurium, Salmonella enterica, Pseudomonas aeruginosa, Staphylococcus aureus, Methicillin-Resistant Staphylococcus aureus (MRSA), Vancomycin-Resistant Enterococcus faecalis, (VRE), and Staphylococcus epidermidis.

For a 1% solution from powder:

- Remove visible dirt. Refer to dilution chart.
- Fill container with required amount of water and add Rely+On® Virkon® powder to achieve solution concentration.
- Cap container and gently stir until powder is dissolved. Allow 10 minutes for complete dissolution, mixing periodically. Apply solution to surface using a sponge, brush, or spray device until the surface is visibly wet.
- Allow surface to remain visibly wet for a minimum of 10 minutes and air dry.

For a 1% solution from tablet:

- Remove visible dirt.
- Add one 5 gm (0.18 oz) Rely+On® Virkon® tablet per pint of water.
- Cap container and gently stir until powder is dissolved. Allow 10 minutes for complete dissolution, mixing periodically. Apply solution to surface using a sponge, brush, or spray device until the surface is visibly wet. Allow surface to remain visibly wet for a minimum of 10 minutes and air dry.

*Hepatitis A Virus (HAV), Hepatitis B Virus (HBV), Hepatitis C Virus (HCV), and HIV (Human Immunodeficiency Virus (HIV-1) (AIDS virus), Respiratory Syncytial Virus (RSV), Norovirus (Norwalk-like viruses), Avian Influenza Virus (H3N2), H1N1 Influenza A virus, SARS-CoV-2 on hard, non-porous surfaces.

Not for use with Medical Instruments.

LANXESS

Energizing Chemistry

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To Use as an Absorbent for Blood, Body Fluids, or Vomit:

- Cover soiled area with Rely+On® Virkon® powder. Let stand for 10 minutes and scoop into plastic bag and handle as biohazardous waste.
- Follow up with a disinfectant step by applying a 1% Rely+On® Virkon® solution (prepared according to dilution chart) to surface using a sponge, brush, or spray device until the surface is visibly wet.
- Allow surface to remain visibly wet for a minimum of 10 minutes and air dry.
- Bag containing soil must be disposed of as infectious waste.
- When handling items soiled with blood or body fluids use disposable latex gloves, gowns, masks, and eye coverings.

Please consult the Rely+On® Virkon® product container label for a comprehensive list of organisms and directions for use.

Health and Safety Information: Appropriate literature has been assembled which provides information concerning the health and safety precautions that must be observed when handling the LANXESS products mentioned in this publication. For materials mentioned which are not LANXESS products, appropriate industrial hygiene and other safety precautions recommended by their manufacturers should be followed. Before working with any of these products, you must read and become familiar with the available information on their hazards, proper use, and handling. This cannot be overemphasized. Information is available in several forms, e.g., material safety data sheets and product labels. Consult your LANXESS Corporation representative or contact the Product Safety and Regulatory Affairs Department at LANXESS.

As with any product, use of Rely+On® Virkon® in a given application must be tested (including field testing, etc.) by the user in advance to determine suitability.

LANXESS Corporation

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The manner in which you use and the purpose to which you put and utilize our products, technical assistance and information (whether verbal, written or by way of production evaluations), including any suggested formulations and recommendations are beyond our control. Therefore, it is imperative that you test our products, technical assistance and information to determine to your own satisfaction whether they are suitable for your intended uses and applications. This application-specific analysis must at least include testing to determine suitability from a technical as well as health, safety, and environmental standpoint. Such testing has not necessarily been done by us. Unless we otherwise agree in writing, all products are sold strictly pursuant to the terms of our standard conditions of sale. All information and technical assistance is given without warranty or guarantee and is subject to change without notice. It is expressly understood and agreed that you assume and hereby expressly release us from all liability, in tort, contract or otherwise, incurred in connection with the use of our products, technical assistance, and information. Any statement or recommendation not contained herein is unauthorized and shall not bind us. Nothing herein shall be construed as a recommendation to use any product in conflict with patents covering any material or its use. No license is implied or in fact granted under the claims of any patent.

Note: The information contained in this publication is current as of October, 2005. Please contact LANXESS Corporation to determine if this publication has been revised.

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