

AegisGuard™ LS Radiation Shield User Instructions

Thank you for purchasing this AegisGuard™ LS Radiation Shield.

PLEASE READ THIS PAGE FIRST

- **AegisGuard™ LS thickens and becomes white when stored or shipped at temperatures below 65° F. (19° C.). Before initial use, or if this occurs at any time thereafter, place the bottle with the cap on in the provided plastic bag, seal it and place in hot tap water for 20 minutes. DO NOT BOIL OR MICROWAVE.**
- Remove bottle, shake well and store at temperatures above 65° F. (19° C.) with cap on bottle. Retain bag for future use.
- Always turn off electrical and electronic product power and remove the power cord, if so equipped, before applying this product.
- The spray head applies a fine mist and surfaces should be sprayed until lightly covered with liquid. Do not saturate.
- Do not spray into eyes.
- Wipe sprayed non-porous surfaces thoroughly dry as soon as possible, but not more than 30 minutes after spraying, using a clean soft cloth or paper towel. The pressure applied within 30 minutes after spraying does not affect the shielding effectiveness.
- Clean up with soap and warm water.
- This product is compatible with all AegisGuard™ products. Do not use with any other brand of radiation shielding products.

Follow the installation instructions on the back of this page for your application.

IMPORTANT

One application is required for surfaces that are never washed, become wet, or exposed to frequent friction. AegisGuard™ LS must be reapplied periodically for frequently handled products, including wireless phones, communicators, tablets, laptop computers, headsets, eyewear, medical devices, touch-screens etc., or when they are washed or become wet, including windows and skylights. The use of a protective outer case with frequently handled products increases reapplication intervals.

A cellular phone can be sprayed 15 - 20 times, tablets 10 times, or the front, top and one side of a tower computer 1 time using a 1 FL OZ (29.57 ml) bottle.

Hand-held product reapplication recommendations shown are conservative. They are provided for your safety to ensure optimum shielding effectiveness and protection for frequently handled product.

ABOUT AEGISGUARD™ LS RADIATION SHIELDS

NOTE: The frequency range of your product is printed on the product label.

AegisGuard™ LS applications are virtually unlimited. When properly applied, it provides unsurpassed shielding protection by deflecting the radiation emitted by electrical and electronic products and networks (see specifications) away from the user without affecting a products appearance, performance, power consumption, or wireless signal strength.

Hypoallergenic AegisGuard™ LS Radiation Shields are non-conductive, non-absorbent, and safe enough to use even as a body lotion for electrosensitive (EHS) individuals. It does not contain animal by-products, fluorocarbons, MDF, nickel, silver, copper or other metals, nor is it harmful to humans or animals in any manner whatsoever. There has never been an adverse or allergic reaction reported by any user.

Simply spray your product with the power off and wipe dry. It will not stain any fabric after the shielded product is wiped dry, and it washes off with soap and warm water. If you use a washable cloth instead of a paper towel to wipe the product dry, it easily washes out with warm water and laundry detergent.

AegisGuard™ LS Radiation Shields are formulated using proprietary micro-encapsulated shielding compounds suspended in an unscented liquid made from natural ingredients derived solely from plants, resulting in a consistency similar to very lightweight oil. The liquid serves as the medium for transferring the shielding compounds via the spray head to surfaces, where they adhere within a few seconds after being applied (the shielding compounds will not adhere to the recyclable AegisGuard™ LS bottle, PET/PETE, HDPE or LDPE containers used for beverages, shampoos, etc.).

The liquid is thoroughly wiped off all products having an AC or DC power source, and it can either be wiped off or left in place on porous surfaces, such as wood, until absorbed. Surfaces are not marred or damaged in any manner, nor are the visibilities of glass, plastic or camera lenses affected after the liquid is fully removed.

Size	Coverage
1 FL OZ (29.56 ml)	2.5 sq ft (0.23 m ²)
2 FL OZ (59.13 ml)	5.0 sq ft (0.46 m ²)
4 FL OZ (118.25 ml)	10.0 sq ft (0.92 m ²)
8 FL OZ (236.52 ml)	20.0 sq ft (1.85 m ²)

REAPPLICATION RECOMMENDATIONS		
Daily Usage	Without Protective Case	With Protective Case
1 Hour	40 Weeks	18 Months
2 Hours	20 Weeks	12 Months
4 Hours	10 Weeks	8 Months
6 Hours	7 Weeks	6 Months
8 Hours	5 Weeks	4 Months
10 Hours	4 Weeks	2 Months
12 Hours	2 Weeks	1 Month
14 Hours	1 Week	2 Weeks
16 Hours	Every 3 Days	Weekly

AegisGuard™ LS Radiation Shields Specifications		
Operating Frequency	Shielding Effectiveness*	Testing Standards**
5 Hz. to 100 Hz.	99.998%	(a, b)
Up to 2.6 GHz.	99.997%	(a, b)
Up to 30 GHz	99.997%	(a, b, c)
Up to 120 GHz.	99.996%	(a, b, c, d)
Up to 360 GHz.	99.994%	(a, b, c, d)
Up to 1.1 THz.	99.993%	(a, b, c, d)
Storage Temperature: 35° to 90° F. (2° to 32° C.)		
*Shielding effectiveness exceeds human RF exposure limit safety requirements as set forth in FCC OET Bulletin 65, up to 25 Watts at point of contact.		
**Testing Standards		
(a) ASTM-4935-99		
(b) IEEE-STD-299 - MIL-STD 285.		
(c) Proposed IEEE 802.11ac, ad, ax - ETSI EN 302 567		
(d) Published industry standards above 96 GHz. unavailable.		

**PLEASE READ OTHER SIDE OF THIS PAGE BEFORE INSTALLATION
APPLICATION INSTRUCTIONS - SHAKE WELL BEFORE EACH USE.**

ELECTRICAL AND ELECTRONIC PRODUCTS

1. Turn off power and, if applicable, remove power cord. Remove batteries if your product operates in stand-by mode.
2. Product surfaces must be clean and dry before spraying.
3. Remove foam or gel headset earpiece covers, if possible, and reinstall after installation.
4. Place a cloth or paper towel around the base of large stationary products, such as tower computers and copy machines, or underneath smaller products, such as cellular phones, to absorb overspray.
5. Lightly spray the surface(s) to be shielded and wipe off the liquid as soon as possible, but not longer than 30 minutes, using a clean soft cloth or paper towel. The amount of pressure you within 30 minutes after spraying will not remove the shielding compounds, or affect their effectiveness. Continue wiping glass and LCD screens with a clean cloth until all of the liquid is removed, and thoroughly pat dry foam headset earpiece covers. A cotton swab will remove any residue between keypad and keyboard keys, or if inadvertently sprayed into plug and jack connection sockets.

WIRELESS ELECTRONIC PRODUCTS

1. Lightly spray the entire product, including an external antenna, if so equipped. Do not soak or saturate the surface and avoid spraying directly into plug or jack connection sockets used for connecting cables, headsets, etc.
2. A permanent screen protector installed immediately after spraying and drying the product eliminates the reapplication requirements for the area protected by the screen.

WIRED ELECTRONIC PRODUCTS

1. If your product has a removable enclosure or cabinet as some tower computers have, remove it and spray the interior instead of the exterior so that AegisGuard™ LS will not have to be reapplied if the product is washed or becomes wet.
2. Lightly spray the surface(s) facing you and others. Do not soak or saturate the surface(s), and avoid spraying directly into large perforated openings and plug or jack connection sockets used for connecting cables, headsets, etc.

NON-WASHABLE FABRICS AND GARMENTS

1. Although AegisGuard™ LS completely washes out with warm water and laundry detergent, it can be sprayed on other fabrics, including cotton, cotton blends and polyester used for caps, aprons, uniforms and hospital patient privacy screens. The texture however will be affected and the color will darken. Always test an inconspicuous area of the fabric beforehand.
2. Lightly spray either side of the fabric and allow it to dry completely before use.

OTHER SURFACES

1. AegisGuard™ LS shielding compounds will not adhere to HDPE, LDPE, PET and PETE plastics. It is effective for all other plastics, wood, composites, stone, tile, metal, glass, metal, and porous surfaces. Test inconspicuous area for color inconsistencies before spraying.
2. Mask receptacles, device ports and switches with tape and use drop cloths for large spraying areas to protect from overspray.
3. Lightly sand shiny, solvent based painted surfaces.
4. Thoroughly wipe non-porous laminates, metal, glass and plastic surfaces dry using soft cloths or paper towels.
5. Wait 24 hours before removing liquid residue remaining on wood and other porous surfaces after spraying to allow sufficient penetration time before wiping dry for maximum shielding penetration. The entire surface area should be completely dry before use, or sealing, when applicable.

Visit our web site to learn about AegisGuard™ LL, a laundry additive for all washable clothing and other fabrics, and AegisGuard™ LP, a primer and paint shielding additive for walls, ceilings and other paintable surfaces in homes and offices

UNCONDITIONAL 30 DAY MONEY BACK GUARANTEE

If you are dissatisfied with this product for any reason, return the unused portion with proof of purchase to the place where purchased within 30 days of the sales slip or invoice date for a full refund. Our liability to the purchaser shall not exceed the purchase price paid for this product under any circumstances, nor shall Aegis Corporation or its authorized resellers be liable for any loss or damage, direct, incidental or consequential, arising out of the use, misuse, or inability to use this product.

AEGIS CORPORATION

www.aegisguard.com

Specifications subject to change without notice

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