

## AegisGuard™ LS Radiation Shield User Instructions

Thank you for purchasing this AegisGuard™ LS Radiation Shield.

### READ THIS ENTIRE PAGE BEFORE INSTALLATION

- AegisGuard™ LS thickens and becomes white when stored or shipped at temperatures below 65° F. (19° C.). If this occurs, place the bottle with the cap on in the provided plastic bag, seal it and place in hot (not boiling) water for 20 minutes. Remove the bottle, shake well and store at temperatures above 65° F. (19° C.). Store this product with the cap on the bottle and retain the bag for future use.
- Always turn off the power source to an electronic product before applying this product.
- The spray head applies a very fine mist. **Spray very lightly** and **never** soak or saturate any surface or use another spray head.
- Do not spray directly into the eyes.
- The amount of pressure applied when removing the excess liquid will not affect the shielding effectiveness if it is removed within 30 minutes after spraying.
- AegisGuard™ LS is compatible with all other AegisGuard™ radiation shielding products. For your safety, do not use AegisGuard™ LS with radiation shielding products manufactured by any company other than Aegis Corporation.
- Clean up with soap and warm water.
- Carefully follow the appropriate installation instructions on the back of this page for your application.

### IMPORTANT

One spray application is required for surfaces that are never washed or become wet. AegisGuard™ LS must be reapplied whenever products such as wireless phones, handhelds, pagers and headsets that are not used with a protective outer case are washed or become wet from sweat, rain, etc. The use of a protective outer case with these types of products is recommended if you sweat heavily.

Please refer to the following guidelines and coverage table which are provided for your safety and to ensure optimum shielding effectiveness and protection at all times when using frequently handled wireless products. For reference and depending upon its dimensions, a cellular phone can be sprayed 15 - 20 times and a typical pager can be sprayed 40 times using a 1 FL OZ (29.57 ml) bottle. A typical tower computer requires one 2 FL OZ (59.13 ml) to spray the front and one side.

Monthly Usage	Without A Protective Outer Case, Reapply After:	With A Protective Outer Case, Reapply After:
5 Hours (300 Minutes)	40 Weeks	18 Months
10 Hours (600 Minutes)	20 Weeks	12 Months
20 Hours (1,200 Minutes)	10 Weeks	8 Months
30 Hours (1,800 Minutes)	7 Weeks	6 Months
40 Hours (2,400 Minutes)	5 Weeks	4 Months
50 Hours (3,000 Minutes)	4 Weeks	2 Months
100 Hours (6,000 Minutes)	2 Weeks	1 Month

Item #	Description	Coverage
09003	1 FL OZ (29.56 ml)	2.5 sq ft (0.23 m <sup>2</sup> )
09021	2 FL OZ (59.13 ml)	5.0 sq ft (0.46 m <sup>2</sup> )
09044	4 FL OZ (118.25 ml)	10.0 sq ft (0.92 m <sup>2</sup> )
09058	8 FL OZ (236.52 ml)	20.0 sq ft (1.85 m <sup>2</sup> )

### About AegisGuard™ LS Radiation Shields

The applications for AegisGuard™ LS Radiation Shields are virtually unlimited. When properly applied following these User Instructions, it provides an unsurpassed level of shielding protection by deflecting the radiation emitted by any electronic product operating at the frequencies and power level shown away from the user without affecting product performance, power consumption, or wireless product signal strength.

Hypoallergenic AegisGuard™ LS Radiation Shields do not contain any animal by-products, fluorocarbons, Nickel or MDF, nor is it harmful to humans or animals in any manner whatsoever. It is completely safe to use and there has never been an allergic reaction or an effect upon wireless product signal strength or the skin reported by any user. Simply spray your electronic product with the power off and wipe dry. It will not stain any fabric after your electronic product is wiped dry and although it is safe enough to leave on your skin, it completely washes off with soap and warm water. If you use a cloth instead of a paper towel to wipe the product dry, it easily washes out of most fabrics with warm water and laundry detergent.

AegisGuard™ LS Radiation Shields are formulated using micro-encapsulated proprietary shielding compounds suspended within 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 and they adhere to surfaces within a few seconds after being applied (*the shielding compounds do not adhere to the fully recyclable blue PET/PETE AegisGuard™ LS bottle and other plastics used for beverages, shampoos, etc.*). The liquid is 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 walls and ceilings, until it is fully absorbed. Sprayed surfaces are not marred or damaged in any manner whatsoever, nor are the visibility of glass or plastic affected when the liquid is fully removed.

AegisGuard™ LS Radiation Shields Specifications	
Operating Frequency	Shielding Effectiveness*
5 Hz. to 100 Hz.	Up to 99.998%**
Up to 2.6 GHz.	Up to 99.996%**
Up To 7.2 GHz	Up to 99.993%***
Up to 15 GHz.	Up to 99.992%***
Up to 30 GHz.	Up to 99.990%***
Environmental:	
Temperature - After Installation	-20° to +140° F. (-29° to +60° C.)
Minimum Storage Temperature	65° F. (19° C.)
* Output power up to 25 Watts	
** As per ASTM-4935-99.	
*** Exceeds MIL-STD 285 and IEEE-STD-299.	
Exceeds Human RF exposure limit requirements as set forth in FCC OET Bulletin 65.	

**INSTALLATION INSTRUCTIONS**  
**READ THE OTHER SIDE OF THIS PAGE BEFORE INSTALLATION**

**ALL ELECTRONIC PRODUCTS**

1. **Turn off the power** and remove the power cord from the wall receptacle, if applicable. Do not remove the batteries if so equipped.
2. Remove foam or gel headset earpiece covers, if possible, and reinstall after installation.
3. The product surface must be clean and dry before spraying.
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 and pagers, to absorb overspray.
5. Always wipe off the liquid immediately after spraying using soft cloths or paper towels. The amount of pressure applied will not affect the shielding effectiveness if the liquid is removed within 30 minutes after spraying. Continue wiping glass and LCD screens with a clean cloth until all of the liquid is removed and pat dry foam headset earpiece covers thoroughly. A cotton swab will effectively remove any residue between keypad and keyboard keys or inadvertently sprayed into plug and jack connection sockets.

**WIRELESS ELECTRONIC PRODUCTS**

1. Shake well and lightly spray the entire product, including the belt clip, holster and external antenna, if so equipped. Do not soak or saturate any surface and avoid spraying directly into plug or jack connection sockets used for connecting cables, headsets, etc.

**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. Shake well and lightly spray the surface(s) facing you and other people. Do not soak or saturate the surface and avoid spraying directly into perforated openings and plug or jack connection sockets used for connecting cables, headsets, etc.

**FABRICS AND GARMENTS**

1. AegisGuard™ LS can be sprayed on most fabrics, including cotton, cotton blends and polyester used for caps, aprons, uniforms and hospital screens. Although it easily washes out with warm water and laundry detergent, the fabric color will be slightly darker than the original color. Always test an inconspicuous area of the fabric beforehand.
2. Shake well and lightly spray either side of the fabric. Do not soak or saturate the fabric or wipe it dry.
3. Allow to dry completely before use.

**OTHER SURFACES**

1. AegisGuard™ LS is effective for wood, stone, glass, metal and plastic except PET/PETE and plastics used for beverages, shampoos, etc. Always test an inconspicuous area of the surface beforehand.
2. Lightly sand shiny, semi-gloss or high gloss painted surfaces. Surfaces must be clean and dry before spraying.
3. Mask AC receptacles and switches, if applicable, with tape and use drop cloths to protect adjacent areas from overspray.
4. Shake well and lightly spray the surface. Do not soak or saturate the surface.
5. Thoroughly wipe off non-porous, glass and plastic surfaces using soft cloths or paper towels. Do not dry other surfaces.
6. Allow entire area to dry completely before use.

**UNCONDITIONAL 30 DAY MONEY BACK GUARANTEE**

If you are not satisfied 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**

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