

CHARGE-GUARD® ESD Surface & Mat Cleaner Wipes Application Instructions



Made in the
United States of America



Figure 1. Charge-Guard® ESD Surface & Mat Cleaner Wipes
Description

Charge-Guard® ESD Surface & Mat Cleaner Wipes is used to clean and maintain ESD mats and other worksurfaces. Charge-Guard® wipes do not contain silicone or other substances that will leave an insulative residue or inhibit the performance of an ESD surface. Our extremely effective cleaning solution is a non-hazardous, non-flammable formula, the product requires no special handling during shipment or for storage. It may be used to remove dust, grease, grime, fingerprints, and solder flux from all surfaces used in a static sensitive area.

General Guidelines

Charge-Guard® ESD Surface & Mat Cleaner Wipes can be used on a variety of surfaces, especially surfaces used in a static sensitive environment. Surfaces include but are not limited to: rubber, vinyl and polyethylene table and floor mats, field service kits, laminated table tops, tote boxes, epoxy, painted surfaces, plexiglass, glass, metal, 3-ring binders, computer screens, computer keyboards, shelving, push carts, conveyor belts, etc.

“Periodic cleaning, following the manufacturer’s recommendations, is required to maintain proper electrical function on all work surfaces. Ensure that cleaners that are used do not leave an electrically insulative residue common with some household cleaners that contain silicone.” (ESD Handbook ESD TR20.20 section 5.3.1.14 Worksurface Maintenance)

“Only cleaning materials or processes which do not degrade the properties of the ESD protective items, shall be used.” (EN 61340-5-1 clause 5.5 EPA working practices)

Directions

Use Charge-Guard® ESD Surface & Mat Cleaner Wipes to wipe the surface.

For set stains, let Charge-Guard® Alcohol-Free Surface & Mat Cleaner Wipes sit on the surface for 30 seconds before wiping clean.

Specifications

Appearance of Solution	Liquid/Premoistened wipe
pH	Impregnation solution: 6.5-7.5
Odor	Floral
Solubility	Cloth not soluble
Toxicity, Irritation, Sensitivity	Non-toxic by dermal contact, or inhalation
Flammability	Non-flammable
Electrical Properties* (Dry Film)	1×10^7 to $< 1 \times 10^9$ ohms (ref. ANSI/ESD S4.1)

*Electrical properties of cleaning solution on wipes

Testing

It is recommended to test the surface after cleaning to ensure that all insulative contaminants such as dirt and grime have been removed. Charge-Guard® ESD Surface & Mat Cleaner Wipes will only leave behind a coating with a surface resistance of less than 1×10^9 ohms.

Storage

Charge-Guard® ESD Surface & Mat Cleaner Wipes product does not have a set life span. The chemicals are not known to degrade over time when stored at the proper temperature conditions as stated in the Safety Data Sheet. We also recommend that this product be stored in its original container and be sealed when not in use.

RoHS 2, REACH, and Conflict Minerals Statement

None of the RoHS 2 restricted materials or REACH (Registration, Evaluation and Authorization of Chemicals) substances of very high concern as of 2020/06/25, or Conflict Minerals are intentionally added in manufacturing this product. Ref: European Union Directive

Charge-Guard® ESD Surface & Mat Cleaner Wipes is available from these Desco Industries brands:



for service and support in North America

25 wipes

[8004](#)

50 wipes

[8005](#)

100 wipes

[8006](#)