STATIC DISSIPATIVE SURFACE CLEANER · ESD CONTROL

I.C.® WORKSTATION CLEANER

Low-ionic, mildly cationic · Limpiador de Estaciones de Trabajo · Cleans and neutralizes static on work surfaces

PRODUCT DESCRIPTION

I.C. Workstation Cleaner is a multi-purpose, no-residue solution for cleaning mats and workstations in cleanroom environments. A low-ionic, general purpose cleaner that is biodegradable, alcohol-free and odorless, it lacks the ingredients that would hinder its compatibility with equipment and surfaces. The mildly cationic formula neutralizes static charges on the surface being cleaned and leaves a streak-free finish on mats, terminals and flat panel displays. Formulated for electronic, cleanroom, food service and bioscience environments.

DIRECTIONS FOR USE

Spray cleaner on a surface and wipe (label). Spray onto static-sensitive surfaces and wipe clean with a microfiber cloth.

USES

- Clean static-sensitive surfaces
- Clean and restore ESD mats and work surfaces
- Terminals and flat panel displays

APPLICATIONS

Healthcare, Office, Industrial, Education, Government, Electronics, Facility Maintenance, Nursing Homes.

FEATURES & BENEFITS

ALL-PURPOSE CLEANING	Removes dust, grease, grime, fingerprints, solder flux and more
STATIC NEUTRALIZER	Mildly cationic cleaner neutralizes static charge on the surface being cleaned
CLEANROOM USE	Designed for use in cleanroom environments
STAIN-FREE FORMULA	Mild solution does not leave visible stains on surfaces
LENS CLEANER	Polishes glass lenses and plastic goggles
ANTI-SMEAR	Traps soil in the cloth or wipe, reducing tracking or smearing
NON-ABRASIVE	Gentle formulation preserves your clean surfaces
QUICK-DRYING	Dries quickly after cleaning
NON-FLAMMABLE	Made without alcohol and other flammable solvents
ESD SAFE	Formulated without chemicals that can harm ESD surfaces or mats
PCB SAFE	Formulated not to contaminate or corrode sensitive components and assemblies
TRACE-CHECKED	Less than 100 PPM of trace metals and PCB contaminants: alkali, bromides, chlorides, sodium, aluminum, calcium, magnesium
MULTI-SURFACE	Cleans non-porous surfaces such as rubber, vinyl, laminated tabletops, metal, glass and plastics
BIODEGRADABLE	Biodegradable, fragrance-free and odorless

FREE OF

- ALCOHOL-FREE
- AMMONIA-FREE
- AMINE-FREE
- SILICONE-FREE
- ALKALI-FREE
- NO ANIMAL TESTING

WORKPLACE SPECIFICATIONS

- Supports an ANSI/ESD S20.20 program
- Tested to ESD ADV 11.21 surface resistance of dissipative materials, 1×10^4 to $< 1 \times 10^{11}$
- Exceeds MIL-B-81705 & NFPA-56A (electrostatic decay per Federal Test Standard 101, method 4046)
- Meets EIA 625 triboelectric charge standards
- Helps meet ANSI/ESD S4.1
- DOD-HDBK-263 Military Spec Compliant
- RoHS: no known substances (gallon label: RoHS compliant)
- Not a registered disinfectant or sanitizer

INGREDIENTS

Purified DI Water, Dipropylene Glycol Mono N-Butyl Ether, Octoxynol-10, Polyquaternium-10, Blue FD&C #1

Labels LN-030/031 list the trade names: DI Water, Polymer JR 125, Dowanol DPNB, Octoxynol-10 (Octylphenol Ethoxylate), Blue Dye.

R&R LOTION USA

I.C.® WORKSTATION CLEANER

APPEARANCE

PRODUCT TYPE	Liquid
COLOR	Blue
ODOR	Odorless
PH	4.5–7.5
VISCOSITY	0–20 cPs, Spindle #6 @ 60 RPM

STORAGE TEMPERATURE & SHELF LIFE

This product has a shelf life of at least 24 months from the date of manufacture when stored unopened at room temperature. The product should not exceed 32ºF – 150ºF to remain stable and effective.

EFFICACY TESTING

Static decay

SURFACE TYPE	CONTROL	AFTER APPLICATION
Dissipative acrylic	0.01 seconds	0.02 seconds
Insulative film	No measurement	No measurement
Workstation ESD mat	0.01 seconds	0.01 seconds

Surface resistivity

SURFACE TYPE	CONTROL	AFTER APPLICATION
Dissipative acrylic	1.09×10^{8} Ω/sq.	2.97×10^{8} Ω/sq.
Insulative film	1.00×10^{15} Ω/sq.	3.94×10^{14} Ω/sq.
Workstation ESD mat	7.50×10^{8} Ω/sq.	1.67×10^{6} Ω/sq.
Computer monitor	7.50×10^{5} Ω/sq.	4.80×10^{5} Ω/sq.

Surface resistance

SURFACE TYPE	CONTROL	AFTER APPLICATION
Dissipative acrylic	1.09×10^{7} Ω	2.97×10^{7} Ω
Insulative film	1.00×10^{14} Ω	3.94×10^{13} Ω
Workstation ESD mat	7.50×10^{7} Ω	1.67×10^{5} Ω
Computer monitor	7.50×10^{4} Ω	4.80×10^{4} Ω

QUICK CHEMICAL REGULATORY REFERENCES

PROP 65 · TSCA · SARA · REACH · ROHS	No known substances

SIZES & PART NUMBERS

PART NO.	SIZE	CASE	UPC
ICSC-16-ESD	16 oz. ESD blue spray bottle	10	666080848422
ICSC-32-ESD	32 oz. ESD blue spray bottle	12	666080848439
ICSC-GAL	1 gallon refill bottle	4	666080847555

SAFETY DATA SHEETS

For safety, environmental, handling, first aid and disposal information, refer to the Safety Data Sheet in the SDS library at **rrlotion.com/msds/**

QUALITY ASSURANCE

Facility standards. R&R Lotion facilities follow Current Good Manufacturing Practice (cGMP) and/or Cosmetic GMP requirements.

Material standards. Incoming raw materials must undergo quality inspection and are efficacy tested prior to being used for manufacturing.

Equipment standards. All equipment and tools utilized are cleaned and sanitized both before and after use once verified by QA using sterility testing equipment.

Formula testing. Formulas developed by R&R Lotion undergo a series of tests and approvals to verify stability, product efficacy and packaging continuity.

Finished product testing. Every batch produced by R&R Lotion must go through physical testing prior to being approved for distribution. This includes in-house lab testing of appearance, color, odor and density, followed by third-party trace metals testing.

Product traceability. The collection and annual review of all raw materials, finished goods, process controls and formulas allows for consistent control and correction in good manufacturing and documentation procedures.

R&R LOTION USA

REGULATORY

This product is an ESD workstation cleaner, manufactured and labeled in compliance with Federal Regulation and current Good Manufacturing Practices. It is not a registered disinfectant or sanitizer. R&R Lotion is an FDA and EPA registered and audited facility.

FDA EST. ID	3004167955
EPA FACILITY	91651-AZ-001
FDA DRUG CODE PREFIX	59555
GOV'T CONTRACT	GSA / VA / DOD 47QSMS24D0078

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