

Application Instructions Reztore™ Surface & Mat Cleaner



Made in America



Figure 1. Reztore™ Surface & Mat Cleaner:
Item No. 10434, 16 ounce
Item No. 10435, 1 quart
Item No. 10438, 2.5 Gallon Bag-in-Box

Description

Reztore™ Surface & Mat Cleaner is a non-toxic liquid cleaner used to remove dust, grease, grime, fingerprints, and solder flux from all surfaces used in a static sensitive area. Reztore™ Surface & Mat Cleaner leaves no insulative residue, contains no alkali or ammonia, and is nonflammable.

General Guidelines

Reztore™ Surface & Mat Cleaner is a liquid cleaner which 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.

Directions

Smooth Surfaces:

Apply Reztore™ Surface & Mat Cleaner to the entire surface to be treated using either the pump or trigger spray bottle. Use a lint-free cloth to wipe the surface until dry. For set stains, let Reztore™ Surface & Mat Cleaner soak on the surface for 30 seconds before wiping clean.

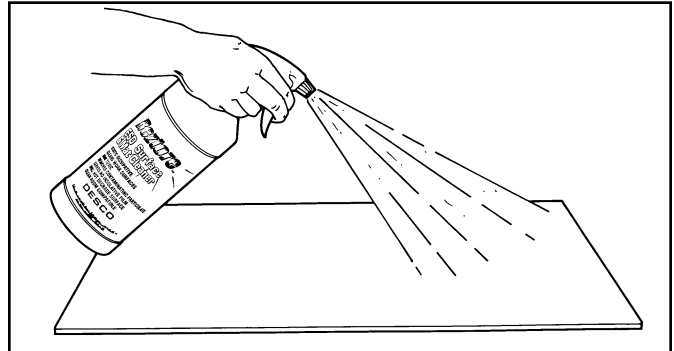


Figure 2. Item No. 10435, 1 Quart Trigger Spray

Other Surfaces - Keyboards:

Dampen a lint-free cloth or a lint-free swab with Reztore™ Surface & Mat Cleaner. Wipe surface to be cleaned using either the cloth or swab. The swab will work best for tight spots like between keyboard keys. Use the cloth to wipe clean the remaining surfaces of the keyboard.

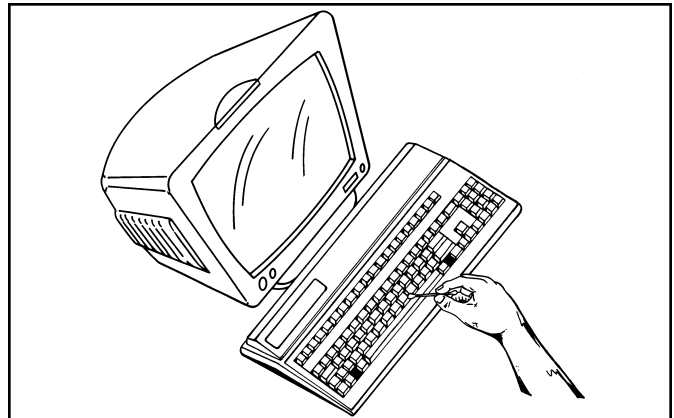


Figure 3. Cleaning a keyboard or computer screen with Reztore™ Surface & Mat Cleaner.

On non-ESD surfaces, Desco recommends using Reztore™ Topical Antistat static dissipative coating. While coating is on the surface it will enhance existing ESD surfaces and will give dissipative electrical properties to insulative surfaces.

Specifications

Appearance of solution:	Transparent violet
pH:	6-8
Odor:	Slight floral
Solubility:	Water, acetone, alcohols
Toxicity, Irritation, Sensitivity:	Non-toxic by dermal contact, or inhalation
Flammability:	Non-flammable
Ion Level:	(mg/l)
	Fluoride 0.3
	Sulfate <0.5
	Nitrate 1.2
	Bromide <0.5
	Phosphate <0.5

Electrical Properties (Dry Film):

Resistance, point to point (RTT):
10⁸ ohms (per ESD S4.1)
Static Decay Rate:
<.01 seconds (per FTMS 101C Method 4046)

Testing

It is recommended to test the surfaces after cleaning to ensure that all insulative contaminants such as dirt and grime have been removed. Reztore™ Surface & Mat Cleaner was designed to leave behind a coating which has a surface resistance of 10⁸ ohms or lower.

FIELD TEST:

For quick and easy verification of surface resistance Desco recommends the use of our 19635 : Meg Pocket Ohmmeter. For further detailed information on the : Meg ask for Technical Bulletin TB-2083. For testing of static fields, Desco recommends the use of our 19445 Digital Static Field Meter. For detailed information on the Digital Field Meter ask for Technical Bulletin TB-2070.

Features

- Cleans bench surfaces
- Leaves static dissipative layer on surface
- Non-toxic
- Non-streaking, quick drying
- Non-aerosol
- No CFC's - water based
- No alkali or ammonia
- Neutral pH
- Low Volatile Organic Solvents

NOTE: Reztore™ Surface & Mat Cleaner 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 Material Safety Data Sheet. We also recommend that this product be stored in its original container and be sealed when not in use.

Limited Warranty

Desco expressly warrants that for a period of one (1) year from the date of purchase, Desco Reztore™ Surface & Mat Cleaner will be free of defects in material. Within the warranty period, the material will be replaced at Desco's option, free of charge. Call our Customer Service Department at 909-627-8178 (Chino, CA) or 781-821-8370 (Canton, MA) for a Return Material Authorization (RMA) and proper shipping instructions and address. You should include a copy of your original packing slip, invoice, or other proof of purchase date. Any material under warranty should be shipped prepaid to the Desco factory. Warranty replacements will take approximately two weeks.

Warranty Exclusions

THE FOREGOING EXPRESS WARRANTY IS MADE IN LIEU OF ALL OTHER PRODUCT WARRANTIES, EXPRESSED AND IMPLIED, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE WHICH ARE SPECIFICALLY DISCLAIMED. The express warranty will not apply to defects or damage due to accidents, neglect, misuse, alterations, operator error, or failure to properly maintain, clean or repair products.

Limit of Liability

In no event will Desco or any seller be responsible or liable for any injury, loss or damage, direct or consequential, arising out of the use of or the inability to use the product. Before using, users shall determine the suitability of the product for their intended use, and users assume all risk and liability whatsoever in connection therewith.

Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200, Standard must be consulted for specific requirements.

NFPA Designation 704

Degree of Hazard

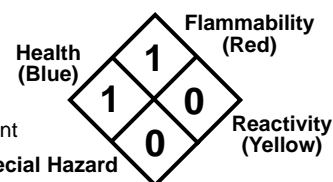
4 = Extreme

3 = High

2 = Moderate

1 = Slight

0 = Insignificant



IDENTITY (As Used on Label and List)

REZTORE™ SURFACE & MAT CLEANER

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

Section I

Manufacturer's Name Desco	Emergency Telephone Number
Address (Number, Street, City, State, and Zip Code) 90 Hudson Road, Canton, MA 02021	Telephone Number for Information (781) 821-8370
	Date Prepared 5-1-2002
	Signature of Preparer (Optional)

Section II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity, Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Isopropanol CAS #67-63-0		400 PPM		5-25%

TSCA: Isopropanol is on the TSCA Inventory under CAS #67-63-0

*LISTED CHEMICAL SUBJECT TO REPORTING REQUIREMENT OF sct. 313 of TITLE III.

HMIS Rating: Health: 1, Flammability: 1, Reactivity: 0, Pers. Protect: B

Section III - Physical/Chemical Characteristics

Boiling Point 212°F (100°C)	Specific Gravity (H ₂ O = 1) 8.17 lbs/gal (8.42 lbs/gal Concentrate)	.98 (1.01 Concentrate)
Vapor Pressure (mm hg.) 18.0	Melting Point	N/A
Vapor density (AIR = 1) 1.06	Evaporation Rate (Butyl Acetate = 1)	.28
Solubility in Water Complete	pH	7.5 ± .5

Appearance and Odor

Clear violet liquid; pleasant odor

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used) N/A	Flammable Limits N/A	LEL N/A	UEL N/A
Extinguishing Media Water spray			
Special Fire Fighting Procedures Cool containers with water			
Unusual Fire and Explosion Hazards None known			

Desco Reztore™ Surface & Mat Cleaner

Section V - Reactivity Data

Stability	Unstable		Conditions to Avoid N/A
	Stable	X	

Incompatibility (*Materials to Avoid*)

Strong oxidizers

Hazardous Decomposition or Byproducts

Thermal decomposition may yield carbon monoxide

Hazardous Polymerization	May occur		Conditions to Avoid N/A
	Will Not Occur	X	

Section VI - Health Hazard Data

Route(s) of Entry:	Inhalation?	Skin?	Ingestion?
	No	No	Yes

Health Hazards (*Acute and Chronic*):

Acute: Causes eye and skin irritations.

Chronic: Redness of skin.

Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?
	None	None	None

Signs and Symptoms of Exposure:

Irritation, redness of skin, eyes.

Medical Conditions

Generally Aggravated by Exposure **Dermatitis**

Emergency and First Aid Procedures

Wash contact areas with plenty of water: 15 minutes.

Ingestion: Do not induce vomiting. Call physician immediately.

Section VII - Precautions for Safe Handling and Use

Steps to Be Taken In Case Material is Released or Spilled

Dike and collect material into plastic container. Water rinse and drain, flush small amounts. (Biodegradable)

Waste Disposal Method

Use sanitary landfill disposal. (Not a hazardous waste). Follow state and local regulations (RCRA; Subtitle D).

Precautions to be Taken in Handling and Storing

Do not mix with other chemicals. Avoid prolonged contact. Keep from freezing.

Other Precautions

Store in secure area. Avoid food or feed contamination. Keep out of reach of children.

Shipping Information

DOT shipping name: NOS

DOT Hazard Class: None

DOT Labels Required: None

Freight Description: Topical antistat spray and mat cleaner

Section VIII - Control Measures

Respiratory Protection (*Specify Type*)

Not required with normal use in well ventilated area.

Ventilation	Local Exhaust	N/A
	Mechanical at point of contamination release	N/A
	Mechanical (General)	N/A
	Other	Assure fresh air circulation

Protective Gloves

Required: Rubber, plastic

Eye Protection

Recommended: safety glasses

Other Protective Clothing or Equipment

N/A

Work/Hygienic Practices

Do not eat, drink next to material. Wash hands/face after work.

N/A = Not Applicable; NE = None Established