

Application Instructions

ReztorTM Static-Wipes



Made in America



Figure 1. ReztorTM Static-Wipes:
60 Wipes in an Anti-Static Canister
160 Wipes in an Anti-Static Canister

Description

ReztorTM Static-Wipes are cellulose-rayon-polyester tissues saturated with an aqueous-alcohol antistatic cleaning solution and packaged in a convenient anti-static reclosable pop-up container. They are used to clean surfaces and make surfaces static safe in most environments.

General Guidelines

The solution, which is non-flammable and non-toxic, can be applied to any surface such as computer screens, heel and toe grounders, rubber mats, vinyl mats, field service kits, laminated table tops, painted surfaces, acrylic, glass, shelving, conveyor belts, containers, optical surfaces, keyboards, telephones, and office copiers in order to remove and prevent the generation of static charges.

This solution cleans and removes static charges from these surfaces. ReztorTM Static-Wipes clean and

remove dust, grease, grime, fingerprints, and solder flux from surfaces used in a static sensitive area. Static-Wipes leave no insulative residue, are fast drying, non-streaking and contain no alkali or ammonia. The tissues trap particles without recontaminating the surface with loose fibers. These wipes clean without ozone depleting fluorocarbons. Because each tissue is individually dispensed in a handy, reclosable static dissipative container, it is ideal for both the office and assembly-manufacturing areas and can be stored on the work bench. This product eliminates sprayers, bottles, solvent cans and individually wrapped foil envelopes.

"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)

ReztorTM Static-Wipes are sold in individual canisters of 160 6" x 6" (15cm x 15cm) wipes or in cartons of 12 canisters of 60 4" x 6" (10cm x 15cm) wipes per canister.

Directions

Lift the container cover from the canister and remove the seal from the lip of the container. Locate the first wipe in the center of the roll of wipes. Feed and push the first wipe through the hole in the center of the top cover and firmly re-attach the cover to the canister.



Figure 2. When separating a tissue, tear at an angle.

To dispense a wipe, pull up the tissue at an angle in order to tear the tissue at the perforation. Unfold the tissue and wipe all surfaces that are to be cleaned and static protected. Wipe all surfaces liberally, using both sides of the tissue if needed. Wait approximately 30 seconds for the solution to dry. For heavily soiled areas apply medium pressure and rub vigorously until clean. When through be sure to close the pop-up closure in order to prevent the remaining tissues from drying.

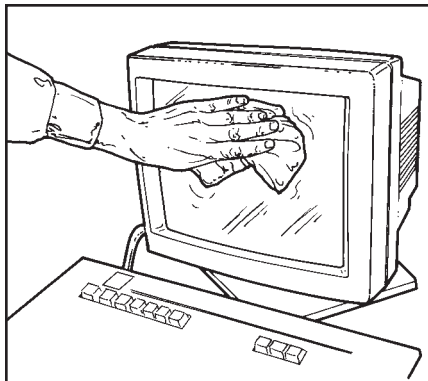


Figure 3. Application of the Rezto™ Static-Wipes when cleaning a computer monitor screen.

Specifications

Appearance of solution:

Transparent, clear violet

pH:

6-8

Odor:

Slight floral alcohol

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

CANISTER SPECIFICATIONS:

Height:

160 Wipes	7 inches (18cm)
60 Wipes	4.4 inches (10cm)

Diameter:

160 Wipes	4.4 inches (10cm)
60 Wipes	Oval 3" x 1.6" (7.5cm x 4cm)

Material:

High density polyethylene with internal antistatic agent.

WIPE SPECIFICATIONS:

Appearance:

White, non-woven cellulose-rayon-polyester blend.

Electrical Properties (Dry Film):

Resistance, point to point (RTT):
10E7 Ohms (per ANSI/ESD S4.1)

Static Decay Rate:

<0.01 seconds (per FTMS 101C M-4046)

Testing

It is recommended to test the surface after cleaning to ensure that all insulative contaminants such as grime or dirt have been removed. Rezto™ Static-Wipes are specifically 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 we recommend the use of a megohmmeter. These are available from many Desco Industries companies. For testing of static fields, we recommend the use of a static field meter. These instruments are also available from many Desco Industries companies.

Features

- Cleans bench surfaces
- Leaves static dissipative layer on surface
- Presaturated with the right amount of solution -- no waste or debris
- Non-toxic
- Non-streaking, quick drying
- Non-aerosol
- No CFC's - water based
- No alkali or ammonia
- Neutral pH
- Low volatile organic solvents
- Handy reclosable static dissipative dispenser
- Durable lint-free wipe

NOTE: Rezto™ Static-Wipes do 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 the product be stored in its original container and be sealed when not in use.

Limited Warranty

Desco Industries Inc. expressly warrants that for a period of one (1) year from the date of purchase, Desco Industries Inc. Rezto™ Static-Wipes will be free of defects in material. Within the warranty period, the material will be replaced at Desco Industries Inc. option, free of charge. Call our Customer Service Department at 781-821-8370 or 00 44 (0) 1892-665313 in Europe 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 Industries Inc. 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 Industries Inc. 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

Material Safety Data Sheet maybe used to comply with EC, according to 91/155EC and ANSI Standard Z400.1-1998
Date: January 1, 2008

NFPA Designation 704

Degree of Hazard

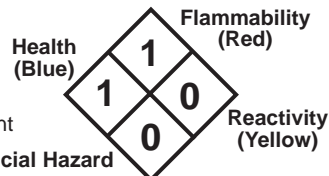
4 = Extreme

3 = High

2 = Moderate

1 = Slight

0 = Insignificant



Special Hazard

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.

REZTORE™ STATIC WIPES

1. IDENTIFICATION OF THE PRODUCT and OF THE ENTERPRISE

Chemical name: ReztoRE™ Static-Wipes

Manufacturer: Desco Industries Inc.
90 Hudson Road
Canton, MA 02021
U.S.A.

Emergency Phone: (781) 821-8370

Fax: (781) 575-0172

2. INFORMATION ON INGREDIENTS/COMPOSITION

Ingredients	Weight	CAS-No.	TLV-value	R-Phrases
Trade secret#030507MA105	1-5%	non hazardous	NE	
Isopropanol*	5-25%	67-63-0	400 ppm	R11
Water	60-100%	7732-18-5	NE	

*Listed Chemical Subject To Reporting Requirement of SARA Section 313 of Title III

HMIS Rating	Health	1	Reactivity	0
	Flammability	1	Personal Protection	B

3. HAZARDS IDENTIFICATION

Eyes	A high concentration of liquid, mist, or vapor may cause irritation of the connective tissue.
Skin	Repeated or continuous contact may cause irritation of the skin.
Ingestion	none known
Inhalation	Irritation of nose, throat, and lack of breath. Exposure to vapors in high concentration may have same effect as with inhalation.

4. FIRST AID MEASURES

Eye Contact	Flush with water for at least 15 minutes.
Skin Contact	Wash with soap and water
Ingestion	DO NOT induce vomiting. Contact a physician.
Inhalation	Move subject to fresh air.

5. EXTINGUISHING MEASURES

Proper Extinguishing Media	Water
Protective Clothing	Wearing of appropriate protective equipment
Special Procedures	Cool containers with water

6. MEASURES TO EXPOSURE OF PRODUCT

Personal Precautions	Wearing protective clothing. Inhalation protection. Extinguish all ignition sources.
Environmental Precautions	Biodegradable
Cleaning Procedures	Dike and collect material into plastic container. Water rinse and drain, flush small amounts. Use sanitary landfill disposal. Follow state and local regulations (RCRA; Subtitle D).

7. HANDLING AND STORAGE

Handling	Use in well-ventilated areas; avoid breathing vapors. Keep containers closed when not in use. Avoid from freezing.
Storage	Storage Temperature: Max. 49°C/120°F-1°C/34°F Keep from freezing

8. EXPOSURE CONTROL/PERSONAL EXPOSURE

Control Parameters	TLV-value 400 ppm maximum for Isopropanol
Other Regulations	None
Measures For Technical Control	Preferences of technical measure to prevent or control contact with the product. Isolating process and personnel, mechanical ventilation (dilution and local exhaust) and the regulation of process conditions. In case of non-prevention or non-control, a proper protective wearing should be used.
Respiratory Protection	Wear MSHA/NIOSH approved respirator where exposure limits are exceeded
Hand Protection	Impervious/Neoprene Gloves
Eye Protection	Safety glasses or Chemical Splash Goggles (ANSI Z-87.1)
Work/Hygienic Practices	Wash hands before eating, smoking, or using washroom facilities

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Liquid
Color	Clear
Smell	Floral/Alcohol
pH	7.0-8.0
Boiling Point at °C	>200°F (100°C)
Melting Point at °C	N/A
Flash Point at °C	Noncombustible
Inflammability Limits (vol.% in air)	N/A
Solubility in water	Complete
VOC per Method 24 of EPA	1% VOC by wt.
Vapor Pressure (mmHg)	18.0
Vapor Density (air=1)	1.06
Density at 20°C	8.17 lbs./gal
Specific Gravity (H2O=1)	.98
Inflammability	Classification according to EC-regulations "non-flammable"
Ignition Temperature	N/A
Evaporation Rate	.28

10. STABILITY AND REACTIVITY

Stability/Reactivity	Stable product at normal conditions
Conditions to avoid	Temperatures above 49°C/120°F and below 1°C/34°F
Materials to avoid	Strong Oxidizers
Hazardous Decomposition	Thermal decomposition may yield carbon monoxide

11. TOXICOLOGICAL INFORMATION

All information refers to the main component Isopropanol

Acute toxicity	None Known
Special Effect	None Known

12. ECOLOGICAL INFORMATION

No environmental hazards have been reported or known.

Mobility	The product is aqueous and will be separated in aqueous conditions
Degradability	N/A
Bioaccumulation	Not likely
Ecotoxicity	None known
Reference to BimSchV	N/A
Hazard Classification	None Hazardous

13. DISPOSAL CONSIDERATIONS

Product	Dike and collect material into plastic container. Water rinse and drain, flush small amounts. Use sanitary landfill disposal. Follow state and local regulations (RCRA; Subtitle D).
Hazardous Waste Number	Nonregulated

14. TRANSPORT INFORMATION

This product is not classified for transport under ADR/IMDG regulations.

15. REGULATORY INFORMATION

Physical/Chemical Indication	Non-flammable
Safety Phrase	(S2): keep away from children, (S7): keep containers well closed, (S24/25): avoid contact with skin and eyes, (S62): if swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.
EU Classification (67/548/EEC-88/379/EEC)	This product does not have to be classified according to the EU Regulations.
EINECS Status	All components are included in the EINECS Inventories
TSCA	All ingredients of this product are listed or are excluded from the listing on the U.S. Toxic Substance
Control Act (TSCA) Chemical Substance inventory.	

16. OTHER INFORMATION

Further Information	None Known
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Disclaimer

The information given in this publication has been worked up to the best of the knowledge of Desco Industries Inc, as well as taking into consideration the applicable laws and regulations. We cannot anticipate all conditions under which this information and our products or the products of the manufacturers in combination with our products may be used. We accept no responsibility for the results obtained by the application information or the safety and suitability of our product or product combination with other products. Users are advised to make their own tests to determine the safety and suitability of each such product or product combination for their own purposes. Unless otherwise agreed in writing, we sell the products without warranty, and buyers end users assume responsibility and liability for loss or damage arising from the handling and use of our products, whether used alone or in combination with other products.

N/A = Not Applicable; NE = None Established