

Application Instructions

Rezto™ Static-Wipes



Made in America



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

Description

Rezto™ 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. Rezto™ 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)

Rezto™ 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.

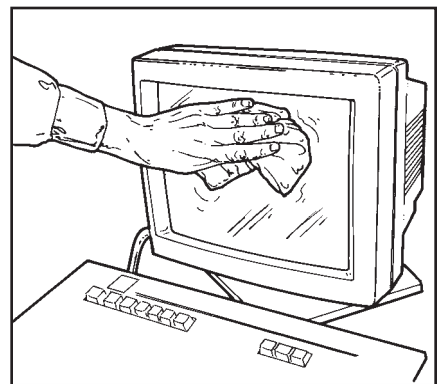


Figure 3. Application of the Rezto™ Static-Wipes when cleaning a computer monitor screen.

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. Reztore™ 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: Reztore™ 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. Reztore™ 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

May be used to comply with ANSI Z400.1-2004, 29 CFR 1910.1200, European 2001/58/EC, REACH 1907/2006/EC, and GHS. Standard must be consulted for specific requirements.

NFPA Designation 704

Degree of Hazard

4 = Extreme

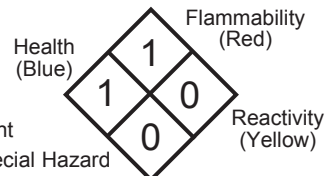
3 = High

2 = Moderate

1 = Slight

0 = Insignificant

Special Hazard



HMIS RATING: Health: 1 Reactivity: 0 Flammability: 0 Personal Protection: B

REZTORE™ STATIC WIPES

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name/Identity: Reztores™ Static Wipes
Chemical Name: Reztores™ Static-Wipes
Manufacturer: Desco Industries, Inc
Address: One Colgate Way
Canton, MA 02021
Telephone: 781-821-8370
Emergency Number: 781-821-8370
Date Prepared: 2009-05-27

SECTION 2 — HAZARDS IDENTIFICATION

Routes of Entry

Eyes: A high concentration of liquid, mist, or vapour 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.

SECTION 3 — COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients:	CAS No.	Weight (%)
Trade Secret #00030507MA105	Non Hazardous	1-5%
Isopropanol*	67-63-0	5-25%
Water	7732-18-5	60-100%

*These items are listed and subjected to the reporting requirements of the SARA Title III Section 313 Inventory of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR372.

SECTION 4 — FIRST AID MEASURES

Emergency and First Aid Procedures:

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.

SECTION 5 — FIREFIGHTING MEASURES

Proper Extinguishing Media: Water
Unsuitable Extinguishing Methods: N/A
Protective Equipment & Precautions: Wearing of appropriate protective equipment and clothing
Flash Point (Method Used): N/A
Flammable Limits: N/A
Special Fire Fighting Procedures: Cool containers with water.
Unusual Fire and Explosion Hazards: None known.

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear 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).

SECTION 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 - Min. 1°C/34°F
Other Precautions: Keep from freezing.

SECTION 8 — EXPOSURE CONTROL / PERSONAL PROTECTION

Hazardous Ingredients:	CAS No.	TLV-value
Trade Secret #00030507MA105	Non Hazardous	NE
Isopropanol*	67-63-0	400 ppm
Water	7732-18-5	NE

Control Parameters: TLV-value 400 ppm maximum for Isopropanol
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 (Specify Type): Wear MSHA/NIOSH-approved respirator where exposure limits are exceeded.

Hand Protection: Impervious/Neoprene Gloves

Eye Protection: Chemical Splash Goggles as defined in ANSI Z-87.1 or a similar standard.

Work/Hygienic Practices: Wash hands before eating, smoking, or using washroom facilities

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Form: Liquid
Color: Clear violet
Odor: Floral/Alcohol
Boiling Point: >200°F (94°C)
Melting Point: N/A
Specific Gravity (H₂O = 1): .98
Solubility in Water: Complete
VOC per Method 24 of EPA: 1% VOC by wt.
pH: 7.0-8.0
Flash Point: Noncombustible
Flammability Limits: N/A
(vol. % in air)
Vapor Pressure (mm Hg): 18.0
Vapor Density (air=1): 1.06
Density at 20°C: 8.17 lbs./gal
Flammability: Classification according to EC-regulations "non-flammable"
Ignition Temperature: N/A
Evaporation Rate: .28

SECTION 10 — STABILITY AND REACTIVITY

Hazardous Polymerization:	N/A
Hazardous Decomposition/Byproducts:	Thermal decomposition may yield carbon monoxide.
Incompatibility (Materials to Avoid):	Strong Oxidizers.
Stability/Reactivity:	Stable product at normal conditions.
Conditions to Avoid:	Temperatures above 49°C/120°F and below 1°C/34°F

SECTION 11 — TOXICOLOGICAL INFORMATION

Oral LD50; 5045 mg/kg (RAT), Dermal LD50; 5030. 7900 mg/kg (Rabbit),
Inhalation LC50; 16000 ppm, 4 h (RAT).

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

SECTION 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: Non Hazardous

SECTION 14 — TRANSPORT INFORMATION

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

SECTION 15 — REGULATORY INFORMATION

Physical/Chemical Indication:	Non-flammable
Risk-Phrase:	(R36/38): irritates eyes and skin.
Safety-Phrase:	(S2): keep away from children, (S7): keep containers well closed, (S24/25): avoid contact with skin and eyes, (S26): In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
EU Classification:	This product does not have to be classified according to the EU Regulations.
(67/548/EEC-88/379/EEC):	
EINECS Status:	All components are included in the EINECS inventories.
REACH:	This product does not require REACH registration.

SECTION 16 — OTHER INFORMATION

HMIS RATING: Health: 1 Reactivity: 0 Flammability: 1 Personal Protection: B

NFPA RATING: Special Hazard: 0 Health: 1 Flammability: 1 Reactivity: 0

Date of last revision: 2009-06-11

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 and 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