

Application Instructions

Reztore™ Static-Wipes



Made in America



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

Description

Reztore™ 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. Reztore™ 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.

Reztore™ 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.

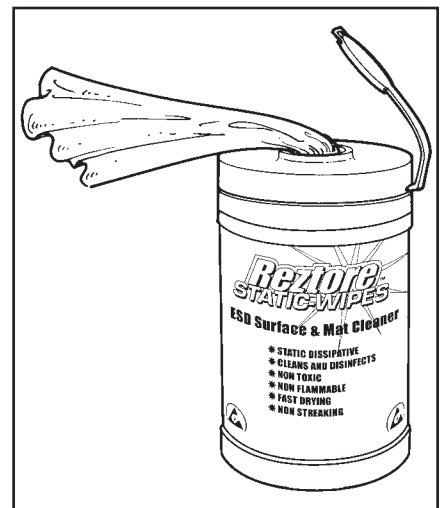


Figure 2. When separating a tissue, tear at an angle.

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.

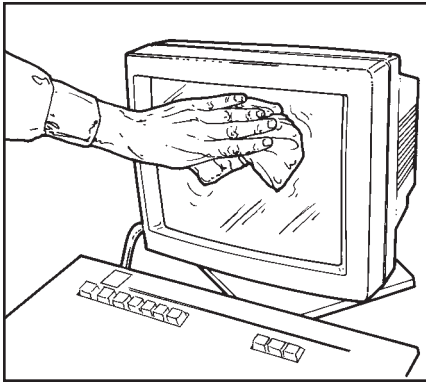


Figure 3. Application of the Reztore™ Static-Wipes when cleaning a computer monitor screen.

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):
10⁸ 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

Material Safety Data Sheet maybe used to comply with EC, according to 91/155EC and ANSI Standard Z400.1-1998
Date: May 1, 2004

NFPA Designation 704

Degree of Hazard

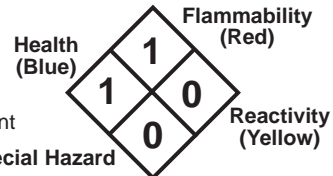
4 = Extreme

3 = High

2 = Moderate

1 = Slight

0 = Insignificant



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 Control Act (TSCA) Chemical Substance inventory. | All ingredients of this product are listed or are excluded from the listing on the U.S. Toxic Substance |

16. OTHER INFORMATION

| | |
|---------------------|------------|
| Further Information | None Known |
|---------------------|------------|

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