

CHARLESWATER Europe TECHNICAL BULLETIN

Application Instructions For Anti-Static Cleaning Static-Wipes

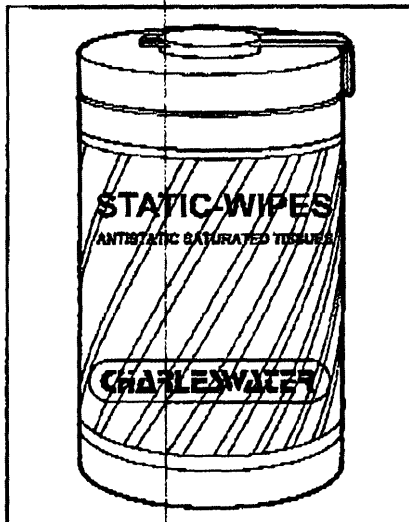


Figure 1. 71050 Static-Wipes, 160 Wipes in an Anti-Static Canister

Description

Charleswater Europe 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. 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.

There are 160 14.6cm x 17.1cm individual tissues in each canister. 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.

Static-Wipes are sold in individual canisters or in cartons of 12 canisters.

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.

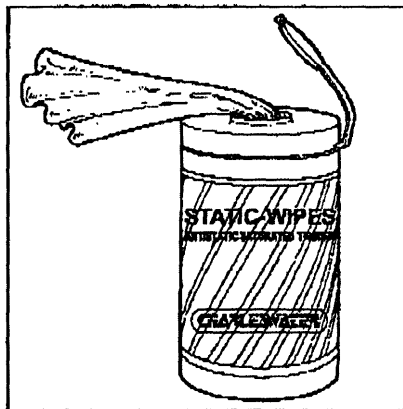


Figure 2. When separating a tissue, tear at an angle.

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.

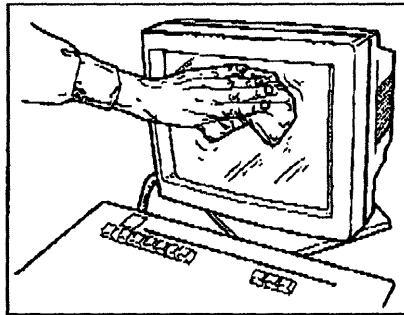


Figure 3. Application of the Static-Wipes when cleaning a computer monitor screen.

Specifications

Appearance of solution:

Transparent

pH:

7-8

Odor:

Slight floral alcohol

Solubility:

Water, acetone, MEK, 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:

17.8 cm

Diameter:

10.2 cm

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)

10^8 Ohms (per 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. Static-Wipes are specifically designed to leave behind a coating which has a surface resistance of 10^8 Ohms or lower.

FIELD TEST

For quick and easy verification of surface resistance Charleswater Europe recommends the use of our 99100 Surface Resistance Test Kit. For detailed information on the Surface Resistance Test Kit ask for Technical Bulletin PPE-5033E. For testing of static fields, Charleswater Europe recommends the use of our 99081 Digital Static Field Meter. For detailed information on the Digital Field Meter ask for Technical Bulletin PPE-5048E.

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

Limited Warranty

Charleswater Europe expressly warrants that for a period of one (1) year from the date of purchase, our Static Wipes will be free of defects in material (parts). Within the warranty period, the material will be replaced at Charleswater Europe's option, free of charge. Call Customer Service at 00 44 (0) 1892-665313 for a Return Material Authorisation (RMA) and proper shipping instructions and address. You should include a copy of your original packing slip, invoice, or other proof of date of purchase. Any material under warranty should be shipped prepaid to the Charleswater Europe 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 Charleswater Europe 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.