

# Application Instructions Statguard® Dissipative Floor Finish



Figure 1. Statguard® Dissipative Floor Finish  
Item No. 10511, 2.5 gallon Bag-in-Box  
Item No. 10512, 5 gallon Bag-in-Box  
Item No. 10520, 55 gallon drum  
Item No. 10556, 5 gallon Bag-in-Box, Statguard®-LH

## Description

Statguard® Static Dissipative Floor Finish is used to dissipate static charges as well as prevent triboelectric (static charge generation) charges while providing a clear, high gloss finish that resists wear. Statguard® Static Dissipative Floor Finish is a cross linked polymer free flowing liquid emulsion, which can be applied on any hard surface or sealed floor including vinyl, vinyl asbestos, linoleum, rubber, asphalt, sealed (urethane or acrylic sealer) or painted wood, terrazzo and concrete. Statguard® technology eliminates the need for static control tile or floor mats. Statguard® dries in approximately one hour and is ideal for clean room and electronic manufacturing, assembly, and test areas. For use in environments with relative humidity of 30-65%; for low humidity environments use Statguard®-LH.

“Static-limiting floor finishes are applied to a variety of existing floors - standard vinyl, rubber, or vinyl composition tile, or static control flooring - to reduce the generation of electrostatic charges. As a floor finish, they protect and they improve the appearance of the floor, and make floor maintenance easier. Floor finishes have flexibility of use, can be applied throughout a facility, and can provide whole area protection. (ESD Handbook ESD TR20.20 section 5.3.4.7.8 Floor Finishes)

## Statguard® Dissipative Floor Finish Meets ANSI/ESD S20.20

Table 3 of ANSI/ESD S20.20 lists the required limits for product qualification of ESD Flooring to be  $< 1 \times 10^9$  ohms tested per ANSI/ESD S7.1 (RH at 12% and 50%) and refers to Table 2 for Compliance Verification testing. For ESD control, the resistance measurement is an indicator that the goal will be achieved to remove electrostatic charges to ground limiting the charge on a person or mobile equipment. Table 2 includes a Flooring / Footwear test method to directly measure the required limit of  $< 100$  volts tested per ANSI/ESD STM97.2. The title of this document is Floor Materials and Footwear-Voltage Measurement in Combination with a Person. A Statguard® Dissipative Floor Finish floor, being very low tribocharging, easily meets this S20.20 requirement.

## SAFE WALKING SURFACE

**UL Classified as to slip resistance only.** Statguard® provides superior electrical properties along with a safe walking surface. Underwriters Laboratory has evaluated Statguard® and tested it to their slip resistance standards. To ensure employee safety and to mitigate user's liability exposure, it is important to use floor finish that has been successfully tested for slip resistance, and is properly installed and maintained. This is particularly a concern during periods of high relative humidity.

## General Guidelines

Statguard® and Statguard®-LH both significantly limit triboelectric generated charges before costly damage can occur from personnel who approach ESD sensitive parts and products. Statguard® also removes static charges from personnel wearing ESD footwear who forget to reattach their wrist straps, minimizing the damage that could occur from handling. Even when using conductive tiles, a triboelectric charge is generated. When Statguard® or Statguard®-LH are applied over conductive tiles, the enhanced floor tile significantly limits charge generation due to walking across the floor.

Generally accepted janitorial stripping and floor finish application procedures are to be followed as outlined on pages 2 and 3 in this technical bulletin. A dedicated mop and bucket are the only special tools needed.

**NOTE:** Statguard® Static Dissipative Floor Care products 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 these products be stored in their original containers and be sealed when not in use.

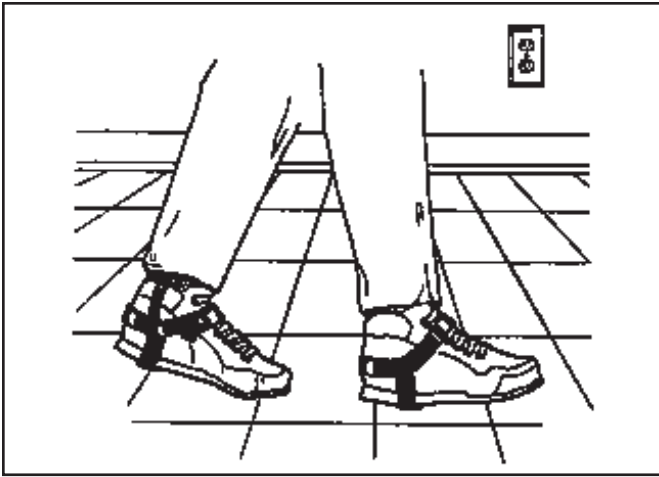


Figure 2. Foot grounders should be used on ESD protective flooring

### GROUNDING

Statguard® Dissipative Floor Finish is low tribocharging and easily meets ANSI/ESD S20.20 requirement <100 volt generation tested per ANSI/ESD STM97.2. Conventional grounding practices like electrically connecting Statguard® Dissipative Floor Finish to electrical ground or internal building auxiliary ground are only required for applications of static dissipative floor finish that are less than 50 square feet. For applications that are greater than 50 square feet, the capacitance of Statguard® Floor Finish is MANY, MANY times greater than the capacitance of the human body model. The difference in capacitance is so great that the Statguard® treated floor acts as a theoretical reservoir or natural ground. "Floor finishes...function by two separate mechanisms. First, they reduce the surface's tendency to generate a static charge. Second, They provide a path for the dissipation of charge. The charge may dissipate over the surface of the finish or it may dissipate to ground if the floor finish is grounded." (ESD Handbook TR20.20 section 5.3.4.2) The capacitance and surface resistance of the Statguard® treated floor will decay a 5000v charge to zero in .05 sec. per FTMS 101B, Method 4046. Statguard® has substantially less than the maximum static decay time of 0.1 seconds.

ESD footwear should be used in conjunction with any properly grounded conductive or static dissipative flooring are to be worn on both feet. Ask your Desco Representative for Technical Bulletin TB-2020 for more information.

*Statguard Dissipative Floor Finish contains zinc.*

### CONCRETE

Two measures are used to determine a good concrete surface for Statguard® Floor Finish:

1. The surface should be sealed.
2. The surface should be cleaned of all contaminants.

### SURFACE

Surface to be finished should be clean, dry, and smooth. Heavy dirt or grease build up should be removed with a stripper or degreaser. DO NOT apply Statguard® on surfaces colder than 45° F.

### SEALING

Surface preparation is absolutely critical for porous materials such as concrete. Proper preparation simplifies application, increases durability, and is essential for proper adhesion of the coating of the substrate. Industrial grade polyurethane, vinyl, or acrylic base sealers are recommended to seal high porosity floors before applying the Statguard® Floor Finish. Enamel paint, urethane or acrylic sealer can be used for bare wood, and enamel undercoat with rust inhibitor for metal. See Statguard® Conductive Paint.

New concrete should cure for 60 days before sealing. Not all concrete surfaces are created equal. They vary widely in physical and chemical qualities due to the way the concrete was originally formulated, poured or finished.

Concrete surfaces are very porous and should be properly sealed prior to the application of Statguard® Floor Finish. There are several methods to prepare problem concrete. Each method depends on the condition of the concrete. Cleaning methods range from: sweeping, vacuuming, wire brush, air-blasting, water jet, steam cleaning, or stripping. Adhesion properties for the concrete sealer can be increased by profiling or roughing surface through acid etching, rotary drum sanding, scarifying, or mechanically scratching the surface. The concrete sealer will reduce the porosity of the concrete and provide a smooth and level surface for the finish. The sealer also provides a barrier to prevent any water migrating up through the concrete.

**No Sealer Application:** Sealing is recommended for increasing coverage and correcting problem concrete surfaces that are not dry or free from grease, oil, etc. If the subfloor surface is dry, level, and free from dirt, grease, oil, paint, sealer, old adhesives, and other foreign materials, it may be suitable to applying Statguard® finish directly onto the concrete.

### COVERAGE

Statguard® Floor Finish covers approximately 2000 square feet per gallon per coat on smooth surfaces. Coverage is less on coarse or textured surfaces. With 18% solids, Statguard® Floor Finish is easier to apply with significantly better productivity than competing brands.

## DRY TIME

It is recommended that Statguard® be allowed to dry at room temperature in excess of 70°F for 1 hour or until dry. At high relative humidity levels, a longer drying time may be necessary. Do not use force air drying. Wait 6 hours before any light traffic, 12 hours before regular traffic, and 72 hours before any wet maintenance, heavy equipment and floor truck traffic.

CLOSE CONTAINER AFTER EACH USE. KEEP FROM FREEZING. DO NOT TAKE INTERNALLY.

## Optional Base Coat

Statguard® Conductive Latex Paint can be used as a base coat to enhance the electrical properties where conductive applications are needed. Statguard® Dissipative Floor Finish will seal out dirt, debris and protect the conductive surface allowing for ease of maintenance and enhanced shine. Statguard® is a polymer base floor finish/sealer that can be used as a top coat on the Conductive Latex Paint. Two coats are recommended; three coats will enhance electrical properties, durability and reduce frequency of maintenance. Ask your Desco Representative for Technical Bulletin TB-2080 for more information on Statguard® Conductive Acrylic Latex Paint.

## Floor Preparation - Stripping

Always apply in a well ventilated area.

Stripping the floor is recommended for first time application of any finish. New tiles are supplied with a protective factory finish that protects during installation but should be stripped away prior to any floor finish application. Properly maintained floors should be stripped annually, depending on traffic and buildup of contaminated finish. Statguard® Floor Stripper is recommended to strip multiple layers of floor finish.

### Equipment needed:

- Push broom
  - Single pad 175 rpm swing floor machine (with a black or brown stripping pad)
  - Mops
  - Buckets
  - Statguard® Floor Stripper
  - Wet vacuum
1. Sweep away all loose dirt and trash.
  2. Mix Statguard® Floor Stripper 3:1 three (3) parts HOT water to one (1) part stripper.
  3. Apply stripper liberally to around 200 square foot area in need of stripping. Using a cotton string mop, uniformly distribute the solution. Let the solution stand for 5-15 minutes. Do not let it dry.
  4. Scrub the floor with the floor machine at 175 rpm (using a stripping pad soaked in stripping solution). Work methodically, with at least two passes over each area of the floor.

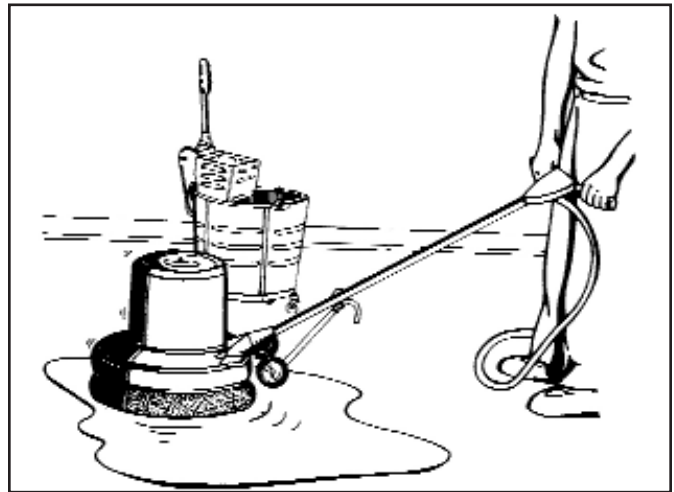


Figure 3. Stripping the floor

5. After scrubbing, pick up the solution with a wet vac or mop.
6. Flood rinse the floor with clean, clear water.
7. Pick up the rinse water with a wet vac or mop.
8. Repeat steps 5 and 6. Entire floor should be rinsed twice.
9. Damp mop the floor at least twice with clean mop and clean water (change rinse water frequently to ensure that all stripper solution residue is removed), and let dry.
10. Inspect floor to be sure all stripper and old polish has been removed.

It is recommended to test the stripped surfaces after the second rinse to ensure that high pH residues are rinsed away. Some high pH strippers will leave a residue behind even after several rinses. A high pH can affect the floor finish curing time as well as other properties of the finish. To test for high pH residue, test either the rinse water or the floor using either a pH measuring instrument or a piece of pH indicating litmus paper. A safe pH will be between 7.0 (neutral) and 9.9 (mildly alkaline). Two sources for litmus paper are Micro Essential Laboratory, Brooklyn, NY 11210 or Fisher Scientific, Fair Lawn, New Jersey 07410.

## Statguard® Application

It is recommended that you apply two coats of Statguard® Floor Finish. After stripping the factory finish, new tile will have an initial high porosity and will require three coats on first application. For known high traffic applications, three coats are recommended for extended life.

- If Statguard® freezes, allow it to thaw to 70° F before application.

**Equipment needed:**

- Clean rayon (or cotton blend) mop, dedicated to Statguard® Floor Finish use only
  - Bucket dedicated to Statguard® Floor Finish use only.
1. Pour Statguard® Floor Finish into a clean mop bucket and apply with a clean rayon (or cotton blend) mop using a figure 8 motion.



Figure 4. Applying floor finish

2. Let the first coat dry thoroughly at least 60 minutes, then apply a second coat. Do not use force air drying.
3. Let second coat dry thoroughly for at least 60 minutes to yield a bright gloss. Repeat application to attain higher gloss and higher conductivity (two coats will provide acceptable antistatic performance on most floors). Keep traffic from floor for at least one hour after the last coat is applied. See dry time recommendations on page 3 in this technical bulletin.
4. One or preferably two additional coats of floor finish should be applied if the floor is to be maintained by dry burnishing or spray buffing.
5. Maintain the polish following the Dust Mop, Damp Mop, Floor Cleaner, Dry Burnish, or Spray Buff maintenance procedure below.

## Statguard® Maintenance

### DUST MOP PROGRAM

1. Keep the floor surface clean. Use an untreated dust mop or push broom nightly or as needed to remove accumulated dirt and insulative contaminant.

### DAMP MOP PROGRAM

1. Keep the floor surface clean. Use an untreated dust mop or push broom nightly or as needed to remove accumulated dirt and insulative contaminant.
2. To damp mop, use a 1 to 3 dilution of Statguard® in water (1 part Statguard® to 3 parts water). Let dry thoroughly. The mop and bucket should be dedicated to Statguard® use only.

### FLOOR CLEANER PROGRAM

Statguard® Floor Cleaner will clean surface stains and heel marks. As a cleaner it will reduce the gloss of the floor.

#### Heavy-Moderate Traffic:

Clean once a week, or as dictated by floor appearance.

#### Low Traffic Floors:

Clean floors as dictated by floor appearance.

1. Dust mop with untreated mop.
2. Dilute Statguard® Dissipative Floor Cleaner 10 parts clean water to 1 part Floor Cleaner. For example, use five (5) gallons of clean water to two (2) quarts of floor cleaner.
3. Damp mop floor with cleaner solution and let dry thoroughly. The mop and bucket should be dedicated to Statguard® use only.

### DRY BURNISH PROGRAM

#### Heavy-Moderate Traffic:

A dry burnish program will increase gloss and remove surface imperfections.

Dry burnish once a week or as dictated by floor appearance.

#### Low Traffic Floors:

Dry burnish as dictated by floor appearance.

1. Dust mop with an untreated mop.
2. Dry burnish at 1000-2000 rpm.
3. After dry burnish, dry mop the area with an untreated dry mop if necessary.

### SPRAY BUFF PROGRAM

A spray buff program will repair scratches, marks, and other imperfections as well as gloss.

#### Heavy-Moderate Traffic:

Spray buff once a week or as dictated by appearance.

#### Low Traffic Floors:

Spray buff as dictated by floor appearance.

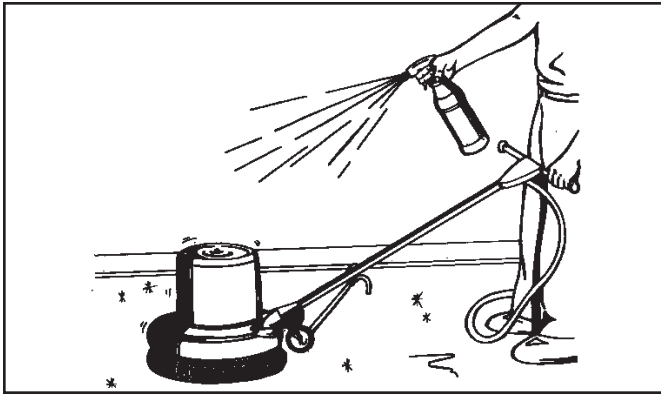


Figure 5. Applying Spray Buff

#### Equipment needed:

- Untreated dust mop
- Spray bottle
- 175-1500 rpm buffing machine with appropriate pad

1. Dust mop with an untreated mop or push broom.
2. At 175-300 rpm, use a red pad. At 1000-1500 rpm use a white or beige pad.
3. Spray a small area with a mixture of one part Statguard® and two parts water. Spray lightly.
4. Buff the sprayed area until clean and glossy. All black marks and scuffs should be removed.
5. After high speed spray buffing, dry mop the area, if needed, with an untreated mop.

#### Physical Properties

|                        |  |
|------------------------|--|
| Base:                  | Acrylic Polymer  |
| Description:           | Aqueous Acrylic Emulsion, Non-hazardous material as defined in (29 CFR 1915.4) |
| Abrasion Resistance:   | Exc. Crockmeter at 50% R.H.  |
| Color:                 | Off White Opaque   |
| Density:               | 8.42 lbs/gal   |
| Freeze/Thaw Stability: | Exc. 3 Cycles at -10°C   |
| pH:                    | 8.8  |
| Slip Resistance:       | UL Approved*   |
| Solids:                | 18%  |
| Solvent:               | Water  |
| Thermal Stability:     | Exc. 50°C/1 month  |
| Viscosity:             | 3.3 cps  |
| Working Humidity:      | Range 30-60% RH  |

#### ELECTRICAL PROPERTIES

Meets or exceeds ANSI/ESD S20.20 minimum recommended technical requirements as an ESD protective floor or as a primary grounding method based on Low charging.

|                      |  |
|----------------------|--|
| Surface Resistance:  | 10E7 Ohms @ 50% RH<br>per ANSI/ESD S7.1      |
| Low Charging:        | <50 volts<br>per ANSI/ESD STM97.2            |
| Personal Resistance: | <35 megohm @ 50% RH<br>per ANSI/ESD STM97.1  |
| Charge Decay:        | 5000v to 0 in 0.01 sec<br>per FTMS 101C 4046 |

\*Underwriters Laboratory (UL) tested for slip resistance only. Authorization and Registration Number SA6524.

#### CLEAN ROOM CHARACTERISTICS

| Contaminant | Dried Film | Liquid (Outgassing) |
|-------------|------------|---------------------|
| Sodium      | Zero       | Zero                |
| Fluoride    | Zero       | Zero                |
| Chloride    | Zero       | Zero                |
| Bromide     | Zero       | Zero                |
| Iodide      | Zero       | Zero                |

- Dried film testing was completed to simulate particulating.\*\*
- Liquid analysis completed using GLC (gas-liquid chromatography)\*\*

\*\* Analysis conducted at Armstrong Corporate Research Center, Lancaster, PA.

#### Testing

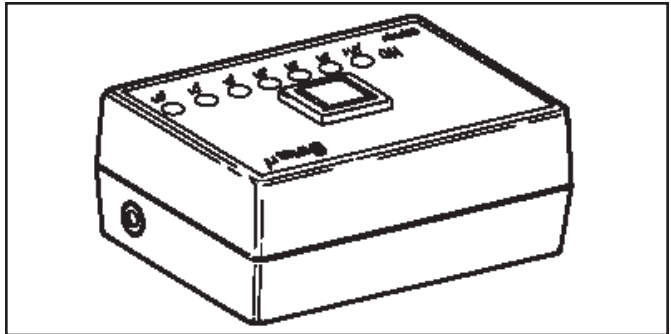


Figure 6. 19635 Micro Meg Pocket Megohmmeter

To determine reapplication schedule, it is recommended to test the surface resistance periodically to ensure that insulative contaminants such as dirt and grime are not building up on the surface. The surface should be kept clean. Testing either point to point resistance (RTT) or resistance to ground (RTG) will indicate if the floor finish needs surface maintenance. If the surface is clean, with high resistance readings this indicates that the floor finish is

becoming thin and in need of replenishing its solids. These solids are worn away over time due to floor traffic. Hence, the high floor traffic areas will need more frequent maintenance than low traffic areas.

**Field Test:**

For quick and easy verification of surface resistance Desco recommends the use of our 19635 Micro Meg Pocket Ohmmeter. For further detailed information on the Micro Meg ask for Technical Bulletin TB-2083.

**Surface Resistance Test Kit:**

Desco recommends ANSI/ESD-S7.1 test method using the Surface Resistance Test Kit for both RTT and RTG testing. The Desco 19780 Surface Resistance Test Kit will provide all equipment necessary to test in accordance with the ANSI/ESD standard. For further detailed information on the Surface Resistance Test Kit ask for Technical Bulletin TB-3014.

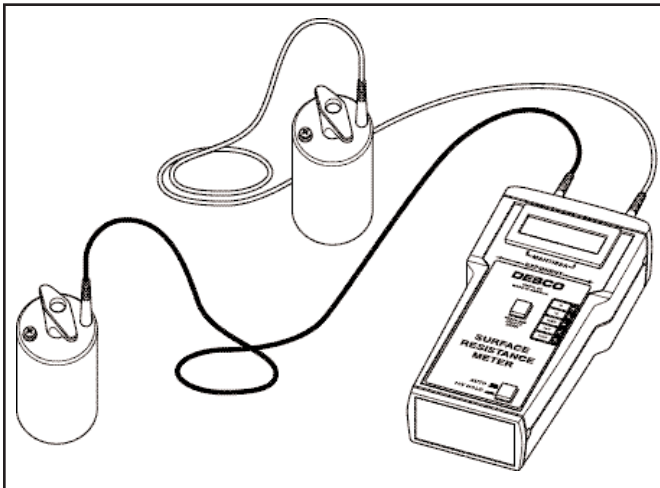


Figure 7. 19780 set up to test resistance point to point (RTT)

**Limited Warranty**

Desco expressly warrants that for a period of one (1) year from the date of purchase, Statguard® Dissipative Floor Finish will be free of defects in material. Within the warranty period, the material will be tested and 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 repairs 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.

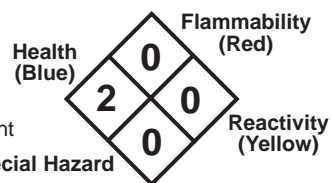
## Material Safety Data Sheet

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)

STATGUARD® & STATGUARD®-LH STATIC DISSIPATIVE FLOOR FINISH

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<br>Desco  | Emergency Telephone Number                         |
| Address (Number, Street, City, State, and Zip Code)<br>90 Hudson Road, Canton, MA 02021 | Telephone Number for Information<br>(781) 821-8370 |
|   | Date Prepared<br>2007-10-30                        |
|   | Signature of Preparer (Optional)                   |

#### Section II - Hazardous Ingredients/Identity Information

| Statguard®<br>Hazardous Components (Specific Chemical Identity) | OSHA PEL | ACGIH TLV | Other Limits<br>Recommended | % (optional) | Statguard-LH®<br>Ingredients  | Weight | CAS-No.   | TLV-value | R-Phrases   |
|---|----------|-----------|-----------------------------|--------------|-------------------------------|--------|-----------|-----------|-------------|
| Dipropylene Glycol Monomethyl Ether*<br>(CAS #034590-94-8)      |          | 100 ppm   | 150 ppm                     | 1-5          | Ethylene Glycol*              | 1-5    | 107-21-1  | 100ppm    | R22         |
| Diethylene Glycol Methyl Ether*<br>(CAS #111-77-3)              |          |           | 30 ppm                      | 1-5          | Glycol Ethyl Ether*           | 1-5    | 111-90-0  | 50 ppm    | R36         |
| Ammonia (CAS #7664-41-7)*                                       | NE       | 25 ppm    | 25 ppm                      | .01 max      | Ammonia Hydroxide*            | 1-5    | 1336-21-6 | 25 ppm    | R36/R37/R38 |
| Modified Acrylic Polymer (NonHaz)                               |          |           |                             | 30-60        | Mod. Acrylic Polymer (NonHaz) | 5-25   |           |           |             |
| Emulsified Waxes (NonHaz)                                       |          |           |                             | 5-25         | Emulsified Waxes (NonHaz)     | 5-25   |           |           |             |
| dH <sub>2</sub> O (NonHaz)                                      |          |           |                             | 30-60        | Alkylolamine Methosulfate     | 1-5    |           |           |             |

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

\* These items are listed on the SARA Title III Section 313 Inventory.

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

#### Section III - Physical/Chemical Characteristics

|   |        |   |      |
|---|--------|---|------|
| Boiling Point   | >200°F | Specific Gravity (H <sub>2</sub> O = 1) | >1.0 |
| Vapor Pressure (mm hg.)   | N/A    | Melting Point                           | N/A  |
| Vapor density (AIR = 1)   | N/A    | Evaporation Rate<br>(Butyl Acetate = 1) | N/A  |
| Solubility in Water<br>Complete, pH 8-9                               |        |   |      |
| Appearance and Odor<br>Opaque, tan liquid with wax or ammoniacal odor |        |   |      |

#### Section IV - Fire and Explosion Hazard Data

|   |                         |     |     |
|---|-------------------------|-----|-----|
| Flash Point (Method Used)<br>N/A                            | Flammable Limits<br>N/A | LEL | UEL |
| Extinguishing Media<br>Foam, CO <sub>2</sub> , DC and water |                         |     |     |
| Special Fire Fighting Procedures<br>None required           |                         |     |     |
| Unusual Fire and Explosion Hazards<br>None known            |                         |     |     |

DESCO WEST - 3651 Walnut Avenue, Chino, CA 91710 • (909) 627-8178 • Fax (909) 627-7449  
DESCO EAST - One Colgate Way, Canton, MA 02021-1407 • (781) 821-8370 • Fax (781) 575-0172 • Web Site: Desco.com

**Section V - Reactivity Data**

|           |          |   |  |
|-----------|----------|---|--|
| Stability | Unstable |   | Conditions to Avoid<br>Temperatures above 49°C/120°F Below: 1°C/34°F |
|           | Stable   | X |  |

Incompatibility (Materials to Avoid)

N/A

Hazardous Decomposition or Byproducts

None known.

|                          |                |   |                            |
|--------------------------|----------------|---|----------------------------|
| Hazardous Polymerization | May occur      |   | Conditions to Avoid<br>N/A |
|                          | Will Not Occur | X |                            |

**Section VI - Health Hazard Data**

|                    |                                 |                           |                                 |
|--------------------|---------------------------------|---------------------------|---------------------------------|
| Route(s) of Entry: | Inhalation?<br>Minor Irritation | Skin?<br>Minor Irritation | Ingestion?<br>Dilute with water |
|--------------------|---------------------------------|---------------------------|---------------------------------|

Health Hazards (Acute and Chronic):

None known

|                  |              |                          |                         |
|------------------|--------------|--------------------------|-------------------------|
| Carcinogenicity: | NTP?<br>None | IARC Monographs?<br>None | OSHA Regulated?<br>None |
|------------------|--------------|--------------------------|-------------------------|

Signs and Symptoms of Exposure:

Inhalation: Minor irritation. Skin: Slight irritation. Eyes: Slight irritation. Ingestion: None known.

Medical Conditions

Generally Aggravated by Exposure

Overexposure may aggravate Asthma.

Emergency and First Aid Procedures

Inhalation: Move subject to fresh air. Skin: Wash with soap and water. Ingestion: Drink several glasses of water (do not induce vomiting).

Contact a physician. Eyes: flush 15 minutes with water.

**Section VII - Precautions for Safe Handling and Use**

Steps to Be Taken In Case Material is Released or Spilled

Keep spectators away. Dike and contain spill with inert material (e.g. sand, earth). Keep spills and cleaning runoffs out of municipal sewers and open bodies of water.

Waste Disposal Method

Coagulate the emulsion by the stepwise of Ferric Chloride and Lime. Remove the clear supernatant liquid and flush to a chemical sewer.

Incinerate the solids and the contaminated diking material according to local, state, and federal regulations.

Precautions to be Taken in Handling and Storing

Storage temperature: Max. 49°C/120°F 1°C/34°F

Other Precautions

Keep from freezing - product may coagulate

**Section VIII - Control Measures**

Respiratory Protection (Specify Type)

Wear MSHA/NIOSH-approved respirator where exposure limits are exceeded.

|             |  |         |
|-------------|--|---------|
| Ventilation | Local Exhaust                                | Special |
|             | Mechanical at point of contamination release | None    |
|             | Mechanical (General)                         | Other   |

Protective Gloves

Impervious/Neoprene

Eye Protection

Chemical splash goggles (ANSI Z-87.1)

Other Protective Clothing or Equipment

Eyewash station

Work/Hygienic Practices

Wash hands before eating, smoking or using washroom facilities

N/A = Not Applicable; NE = None Established

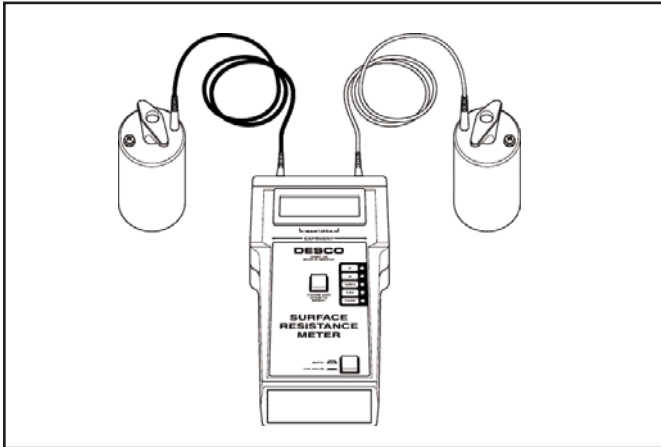
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## Other Products Available From Desco

### Surface Resistance Test Kit (Item No. 19780)



The Surface Resistance Test Kit is a portable, accurate, and versatile instrument designed to measure resistance between two points (RTT), surface to ground (RTG), and surface resistivity in accordance with ESD Association Standard S4.1 including: Resistance measuring accuracy  $\pm 10\%$  ( $E^{12}$  and greater  $\pm 20\%$ ); Resistance range  $<1.0 \times 10^3$  ohms to  $>10^{12}$  ohms; Open circuit voltages of 10 and 100 volts  $\pm 3\%$ ; Electrification period of 15 seconds; and Electrodes (two) 5 pounds  $\pm 2$  oz with 50-70 durometer conductive pads. For detailed information ask for Technical Bulletin TB-3014.

### Statguard® Floor Cleaner (Item No. 10566)



Statguard® Dissipative Floor Cleaner is specifically formulated to clean floors treated with Statguard® Dissipative Floor Finish. Statguard® Floor Cleaner is formulated with dissipative agents that will rejuvenate and improve the static dissipative properties of Statguard® Floor Finish. Dissipative Floor Cleaner effectively cleans without leaving behind any harmful residue that can dull the surface or impede dissipation properties. This product is also recommended for use on conductive floor tile. Statguard® Floor Cleaner is available in 2.5 and 5-gallon Bag-in-Box packaging. For detailed information ask for Technical Bulletin TB-2090.

### Statguard® Floor Stripper (Item No. 10442)



Statguard® Floor Stripper is a strong, non-ammoniated, phosphate-free floor stripper. Its clear, mild pH formulation is designed to break up and lift multiple layers of Statguard® Floor Finish when used on vinyl, rubber, terrazzo, quarry tile, brick, slate, and unglazed ceramic. Not recommended for use on asphalt tile, linoleum, and dutch linoleum floors. Test for bleaching on a small area first. Statguard® Floor Stripper is available in 2.5 and 5-gallon Bag-in-Box packaging. For detailed information ask for Technical Bulletin TB-2089.

### Conductive Latex Paint (Item No. 10408)



A durable latex paint that is conductive in accordance with MIL HDBK-263A. Available in one gallon and five gallon pails (10408/10409) in grey, and five gallon pails (10410) in light grey, it is designed to adhere to walls, floors, or wooden furniture to provide static control in places which may otherwise be difficult to protect. Statguard® Conductive Paint can replace static control floor mats in electronics manufacturing, assembly and test areas. For detailed information ask for Technical Bulletin TB-2080.

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