DESCO INDUSTRIES INC. Technical Bulletin TB-7042 =

Statguard® Static Dissipative Floor Finish Application Instructions & MSDS





Made in the United States of America



Figure 1. Statguard® Static Dissipative Floor Finish

Description

Statguard® Static Dissipative Cross-Linked 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 free flowing liquid cross-linked emulsion, which can be applied on any hard surface or sealed floor including vinyl, vinyl asbestos, linoleum, rubber, asphalt, sealed or painted wood, terrazzo and concrete. Statguard® technology eliminates the need for static control tile or floor mats. Statguard® dries in 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%.

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.

General Guidelines

Statguard® eliminates triboelectric generated charges above 100V before costly damage can occur from personnel who approach static sensitive parts and products. Statguard® also drains static charges from personnel who forget to reattach their wrist straps minimizing the damage that could occur from handling. Even when using conductive tiles, a substantial triboelectric charge is generated. When Statguard® is applied over conductive tiles, the enhanced floor tile eliminates charge generation due to walking across the floor.

Generally accepted industrial stripping and floor finish application procedures are to be followed as outlined on pages 2 and 3 in this technical bulletin.

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.

GROUNDING

Conventional grounding practices like electrically connecting Statguard® Static Dissipative Floor Finish to earth ground is 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. 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. Per ESD Handbook ESD TR20.20 section 5.3.4.2 "Floor finishes and topical antistats, on the other hand. function by two separate mechanisms. First, they reduce the surface's tendency 10 generate a stalic 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."

To remove charge form personnel ESD footwear should be used in conjunction with ESD flooring. ESD footwear should be worn on both feet.

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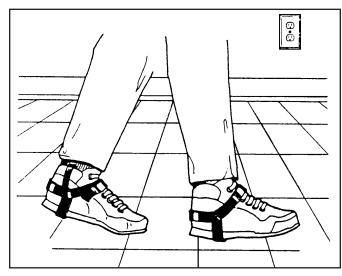


Figure 2. ESD footwear should be used on ESD flooring.

CONCRETE

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

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

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 use Statguard® on surfaces colder than 45° F. Statguard Dissipative Floor Finish contains zinc.

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 can be used for bare wood, and enamel undercoat with rust inhibitor for metal.

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, Statquard® Floor Finish is easier to apply with significantly better productivity than competing brands.

DRY TIME

It is recommended that Statquard® 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. 72 hours before any wet maintenance. buffing, burnishing, and heavy equipment and floor truck traffic.

CLOSE CONTAINER AFTER EACH USE.

Optional Base Coat

Statguard® Conductive Epoxy or Acrylic Latex Paint can be used as a base coat to enhance the electrical properties where more conductive resistance is needed. Statguard® Static Dissipative Floor Finish will seal out dirt, debris and protect the conductive surface allowing for ease of maintenance and enhanced shine. Statguard® Floor Finish is a polymer base floor finish/sealer that can be used as a top coat on the Conductive Epoxy or Latex Paint. Two coats are recommended, three coats will enhance electrical properties, durability and reduce frequency of maintenance. Look online at Descoindustries.com for Technical Bulletin TB-7039 for more information on Statguard® Conductive Epoxy or Acrylic Latex Paint.

Floor Preparation - Stripping

Always use 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 two to four times annually, depending on traffic and buildup of contaminated finish. Statquard® Floor Stripper is recommended.

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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 WARM 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.

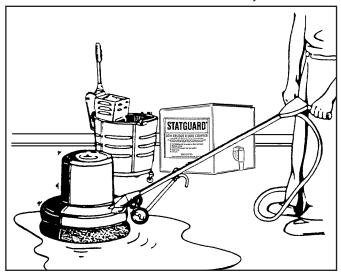


Figure 3. Stripping the floor

- 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.
- 5. After scrubbing, pick up the solution with a wet vac or mop.
- 6. Flood rinse the floor with clean, clear water.

Note: Using Statguard® Floor Neutralizer <u>46022</u> can reduce the number of rinse steps needed to get the floor to pH level 7.0 (neutral).

- 7. Pick up the rinse water with a wet vac or mop.
- 8. Repeat steps 5 and 6. Entire floor should be rinsed twice.
- 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.
- Visually inspect floor to be sure all stripper and old polish has been removed and test pH level.

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 7.0 (neutral). Litmus paper is available - see item 46023 from Descoindustries.com.

Statguard® Floor Finish 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.



Figure 4. Applying floor finish.

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 and dedicated mop bucket and apply with a clean rayon (or cotton blend) mop using a figure 8 motion.
- 2. Let the first coat dry (at least 60 minutes), then apply a second coat. Do not use force air drying.
- 3. Let second coat dry for (at least 60 minutes) to yield a bright gloss. Repeat application to attain higher gloss and higher conductivity (two coats will provide acceptable dissipative resistance on most floors). Keep traffic from floor for at least one hour after the last coat is applied. See dry time recommendations on page 2 in this technical bulletin.

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- 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® Floor Finish 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:

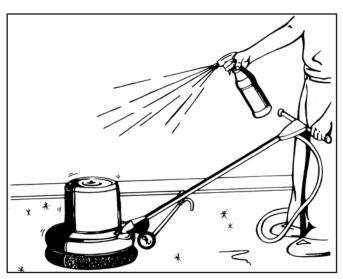
Spray buff once a week or as dictated by appearance.

Low Traffic Floors:

Spray buff as dictated by floor appearance.

Equipment needed:

- Untreated dust mop
- Spray bottle
- 175-1500 rpm buffing machine with appropriate pad Figure 5. Applying Spray Buff.
- 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 Statquard® 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.

Tailoring Statement Statguard Dissipative Floor Finish

Consider a Tailoring statement to your written ESD control plan. The required limit for ESD flooring per ANSI/ESD S20.20 is less than 1 x 10⁹ ohms tested per ANSI/ESD S7.1 for product qualification and per ESD TR53 for compliance verification. The benefit of resistance is the ebility to be grounded removing charges to ground. Based on data showing Statguard® Dissipative Floor Finish to be very low tribocharging well below the personnel grounding product qualification required limit of less than 100

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volt charge tested per ANSI/ESD STM97.1 consider using the following Statquard Dissipative Floor Finish Maintenance Schedule:

- when the Rtt resistance measures towards the high end of 10E10 ohms, maintenance requested is to clean and re-apply another coat of Statguard Dissipative Floor Finish
- when the Rtt resistance measures 10E11 ohms, manufacturing is discontinue work until maintenance cleans and re-applies another coat of Statquard Dissipative Floor Finish

Note: Leading companies have become certified to ANSI/ESD S20.20. The first ESD program in the United States to be certified to ANSI/ESD S20.20 uses Statguard® Dissipative Floor Finish & uses the above maintenance schedule.

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

8.8 :Hq

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

Surface Resistance:

10E7 - 10E9 ohms per ANSI/ESD S7.1 and ESD TR53

Low Charging:

<50 volts per ANSI/ESD STM97.2

Charge Decay:

5000v to 0 in 0.01 sec 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
lodide	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

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) per ESD TR53 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.

For quick and easy verification of surface resistance Statguard Flooring recommends the use of our Surface Resistance Test Kit.



Figure 6. Surface Resistance Test Kit, item 19780

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Limited Warranty

Desco Industries Inc. expressly warrants that for a period of one (1) year from the date of purchase, our Statguard® Static Dissipative Floor Finish will be free of defects in material. Within the warranty period, the material will be replaced at our 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.

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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

4 = Extreme 1 = Slight3 = High

2 = Moderate

Degree of Hazard

0 = Insignificant

Flammability (Red) Health 0 (Blue) Reactivity (Yellow) Special Hazard

HMIS RATING: Health 1, Flammability 0, Physical Hazard 0, Personal Protection B

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Statquard® Static Dissipative Floor Finish Product Name/Identity:

Chemical Name: Acrylic Floor Finish Desco Industries, Inc. Manufacturer: One Colgate Way Address: Canton, MA 02021 781-821-8370

Telephone: **Emergency Number:** 781-821-8370 Date Prepared: 2012-03-28

SECTION 2 — HAZARDS IDENTIFICATION

Routes of Entry

A high concentration of liquid, mist, or vapor may cause irritation of the connective Eyes:

Skin: Repeated or continuous contact may cause irritation of the skin.

None known Ingestion:

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

Ingredients:	CAS No.	Weight (%
Modified Acrylic Polymer (NonHaz) Emulsified Waxes (NonHaz)		30-60% 5-25%
Dipropylene Glycol Monomethyl Ether*	034590-94-8	1-5%
Diethylene Glycol Methyl Ether*	111-77-3	1-5%
Tributoxy Ethyl Phosphate	78-51-3	1-3%
Ammonium Hydroxide*	1336-21-6	<1%

*This item is 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

Inhalation: Minor irritation Symptoms of Exposure: (Acute and Delayed) Skin: Slight irritation Eyes: Slight Irritation

Signs and Symptoms of exposure: Prolonged skin exposure may cause minor irritation skin – dryness.

Emergency and First Aid Procedures:

Eve Contact: Flush with water for at least 15 minutes.

Skin Contact: Wash with soap and water

Inaestion: Drink several glasses of water. DO NOT induce vomiting. Contact a physician.

Inhalation: Move subject to fresh air.

Medical Conditions: Generally Aggravated by Exposure Overexposure may aggravate Asthma.

SECTION 5 — FIREFIGHTING MEASURES

Proper Extinguishing Media: Foam, CO2, DC, and water

Unsuitable Extinguishing Methods:

Protective Equipment & Precautions: Wearing of appropriate protective equipment

Flash Point (Method Used): N/A Flammable Limits: N/A Special Fire Fighting Procedures: N/A

Unusual Fire and Explosion Hazards: None known.

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SECTION 6 — ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wearing protective clothing. Inhalation protection. Extinguish all ignition sources. **Environmental Precautions** Keep spills and cleaning runoffs out of municipal sewers and open bodies of water. Absorb with sand or other diminishing material. Coagulate the emulsion by the Waste Disposal Method:

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.

If Material is Released/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.

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

Other Precautions: Store in a cool, dry place with adequate ventilation. Keep from freezing - product

may coagulate

SECTION 8 — EXPOSURE CONTROL / PERSONAL PROTECTION

CAS No. Ingredients: TLV-value Dipropylene Glycol Monomethyl Ether* 034590-94-8 100 ppm Diethylene Glycol Methyl Ether* 111-77-3 50 ppm Ammonium Hydroxide 1336-21-6 25 ppm

Control Parameters: TLV-valve 25 ppm maximum for ammonia

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.

Wear MSHA/NIOSH-approved respirator where exposure limits are exceeded. Respiratory Protection (Specify Type):

Hand Protection Impervious/Neoprene Gloves

Local Exhaust Special: Mechanical at point of contamination release. Special: None Ventilation:

Impervious/Neoprene Gloves Protective Gloves:

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

Other Protective Clothing or Equipment: Eyewash station

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

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Form: Liquid

Colour: Opaque, tan liquid Wax or ammoniacal odor Odor:

Boiling Point: >200°F (100°C)

Melting Point: N/A Specific Gravity (H2O = 1): >1.0 Solubility in Water: Complete pH: 8.0-9.0

Flash Point: Noncombustible

Flammability Limits: N/A Solubility in water: Complete Vapor Pressure (mm Hg): N/A Vapor Density (air=1): N/A Viscosity 3.3 cps Density at 20°C: 8.6 lbs./gal

Flammability: Classification according to EC-regulations "non-flammable"

Ignition Temperature: N/A Evaporation Rate: N/A

SECTION 10 — STABILITY AND REACTIVITY

Hazardous Polymerization:

Hazardous Decomposition/Byproducts: Thermal decomposition may yield acrylic monomers.

Incompatibility (Materials to Avoid): N/A

Stability: Stable product at normal conditions.

Conditions to Avoid: Temperatures above 49°C/120°F Below: 1°C/34°F

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SECTION 11 — TOXICOLOGICAL INFORMATION

Diethylene Glycol Methyl Ether (111-77-3)

Acute Oral Toxicity: LD50: 5,500 mg/kg (rat) Acute Dermal Toxicity: LD50: 6,540 mg/kg (rabbit)

Dipropylene Glycol Monomethyl Ether (34590-94-8)

Acute Toxicity: LD50. Rat 5.135 mg/kg Skin Absorption: LD50, Rabbit > 20 ml/kg

Inhalation: LC50, 7 h, Aerosol, Rat > 500 ppm

Sensitization: Did not cause allergic skin reactions when tested in humans.

Tri-Butoxyethyl Phosphate (78-51-3)

Acute Inhalation: (LD50/LC50): 4.43 mg/L Rat Acute Dermal: (LD50/LC50): 10 g/kg Rabbit LD50/LC50): 500, <5,000 mg/kg Rat Acute Oral:

Acute Oral: (LD50/LC50): 3g/kg Rat

Ammonium Hydroxide (1336-21-6)

25 ppm ACGIH/OSHA TWA, 35 ppm ACGIH/OSHA STEL LD50: 350 mg/kg (oral-rat)

LD50 (ACUTE ORAL TOX.) Estimated to be greater than 5000 mg/kg (rats).

LD50 (ACUTE DERMAL TÓX.) Not available.

SECTION 12 — ECOLOGICAL INFORMATION

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

None hazardous Hazard Classification:

SECTION 13 — DISPOSAL CONSIDERATIONS

Product: 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.

Non Hazardous Hazardous Waste Number:

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,

(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. REACH: This product does not require REACH registration.

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SECTION 16 — OTHER INFORMATION

HMIS RATING: Health 1, Flammability 0, Physical Hazard 0, Personal Protection B

NFPA RATING: Special Hazard 0, Health 2, Flammability 0, Reactivity 0

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 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

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