Statguard® Floor Mat Cleaner Application Instructions

Made in the United States of America



Figure 1. Statguard® Floor Mat Cleaner
1 Quart Spray Bottle (10443)
2.5 Gallons Bag-in-Box (10444)
5.0 Gallons Bag-in-Box (10445)

Description

Desco's Statguard® Floor Mat Cleaner is a non-hazardous, silicone free liquid used to remove dust, grease, grime, shoe prints, and other contaminates from ESD floor mats to maintain the performance of the mats. To apply the cleaner, the floor mat surface should be sprayed until slightly wet and then mopped till dry with a lint free flat mop. No additional rinsing will be required in most cases. Statguard® Floor Mat Cleaner contains no alkali, ammonia, or other harsh chemical that may physically damage mats or degrade the mat's ESD properties. Statguard® Floor Mat Cleaner is formulated to meet the VOC requirements of the California Air Resources Board and it is non-flammable, making it safe to use in electronics production areas and safe for operator contact.

Features

- Vinyl and Rubber Floor Mat Liquid Cleaning Solution
- Simple Application Does Not Require Additional Rinsing
- Silicone Free
- Contains No Chemicals That Will Damage Mats
- Meets CARB VOC Standard, Non-Flammable, Non-Hazardous

Directions for Use

1. Use dust mop or broom to remove larger debris from the floor mat.
2. Spray floor mat till slightly wet.
3. Mop/scrub till dry with a lint free flat mop.

No additional rinsing is required. For tougher stains reapplication may be necessary.

Specifications

Solubility	Water, acetone, alcohols
Toxicity, Irritation, Sensitivity	Non-toxic by dermal contact, or inhalation
Flammability	Classification according to NFPA and OSHA as "non-flammable", Flammable Category 3
Ion Level (mg/L)	Fluoride 0.3 Sulfate <0.5 Nitrate 1.2 Bromide <0.5 Phosphate <0.5
Electrical Properties (Dry Film)	1×10^7 to $< 1 \times 10^9$ ohms (ref. ANSI/ESD S4.1)
Static Decay Rate	<0.01 seconds (per FTMS 101C Method 4046)

Testing

Floor mats should be tested as part of ANSI/ESD S20.20 Compliance Verification testing per ESD TR53. Mats should be tested to ensure that the mats are within spec. Desco manufactures multiple styles of surface resistance meters for testing floor mats and other surfaces.

Storage

Statguard® Floor Mat Cleaner product does 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 Safety Data Sheet. We also recommend that this product be stored in its original container and be sealed when not in use.

RoHS 3, REACH, and Conflict Minerals Statement
See the Desco Industries RoHS 3, REACH, and Conflict Minerals Statement:
http://www.descoindustries.com/ROHS.aspx

Desco Industries Limited Warranty
See the Desco Industries Limited Warranty:
http://www.descoindustries.com/Warranty.aspx

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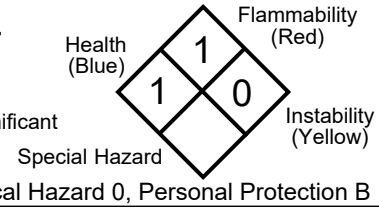
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Safety Data Sheet
May be used to comply with ANSI Z400.1-2004, 29 CFR 1910.1200, Regulation (EC) No 1272/2008 (CLP Regulation) and GHS. Standards must be consulted for specific requirements.

Revision Date: 2017-04-03

NFPA Designation 704

Degree of Hazard
4 = Extreme
3 = High
2 = Moderate
1 = Slight
0 = Insignificant



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

SECTION 1 — IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifiers

Product Name:	Statguard® Floor Mat Cleaner
EC No.:	None
REACH Registration No.:	None
CAS No.:	None

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified use:	Antistatic Mat Cleaner

1.3 Details of the supplier of the safety data sheet

Manufacturer:	Desco Industries, Inc. One Colgate Way. Canton, MA 02021 781-821-8370
Email Address:	Service@DescoIndustries.com

1.4 Emergency telephone number

Emergency Number:	781-821-8370

SECTION 2 — HAZARDS IDENTIFICATION

2.1 Classification of substance or mixture

Flammable liquid	Category 2
Eye irritation	Category 2
Specific target organ toxicity (Single exposure)	Category 3

2.2 Label elements

Symbol:	Flame, Exclamation mark.
Signal word:	Danger.
Hazard statement:	(H225): Highly flammable liquid and vapour. (H319): Causes serious eye irritation. (H336): May cause drowsiness or dizziness.
Precautionary statements:	(P210): Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. (P240): Ground/bond container and receiving equipment. (P241): Use explosion-proof electrical/vetilating/lighting equipment. (P242): Use only non-sparking tools. (P261): Avoid breathing dust/fume/gas/mist/vapours/spray. (P264): Wash hands thoroughly after handling. (P271): Use only outdoors or in a well-ventilated area. (P280): Wear protective gloves/protective clothing/eye protection/face protection. (P303 + P361 + P353): IF ON SKIN (or hair): Take off immediarely all contaminated clothing. Rinse skin with water/shower. (P304 + P340 + P312): IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell. (P305 + P351 + P338): IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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(P337 + P313): If eye irritation persists: Get medical advice/attention.
(P403 + P235): Store in a well-ventilated place. Keep cool.
(P233): Keep container tightly closed.
(P405): Store locked up.
(P501): Dispose of contents/container in compliance with all Federal, National and Local laws and regulations.

2.3 Other hazards

N/A

SECTION 3 — COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Hazardous Ingredients	CAS No.	Weight %
Isopropanol	67-63-0	5-25%

3.2 Mixtures

N/A

SECTION 4 — FIRST AID MEASURES

4.1 Description of first aid measures

Eye Contact	Flush with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Skin Contact	Wash with soap and water. If skin irritation occurs: Get medical advice/ attention.
Ingestion	Drink several glasses of water. DO NOT induce vomiting. Contact a physician.
Inhalation	Move subject to fresh air.

4.2 Most important symptoms and effects, both acute and delayed

N/A

4.3 Indication of any immediate medical attention and special treatment needed

N/A

SECTION 5 — FIRE FIGHTING MEASURES

5.1 Extinguishing media

Suitable Extinguishing Media	Water
Unsuitable Extinguishing Methods	N/A

5.2 Special hazards arising from the substance or mixture

N/A

5.3 Advice for firefighters

In the event of fire wear self-contained breathing apparatus.
Cool containers with water.

SECTION 6 — ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Wearing protective clothing. Inhalation protection. Extinguish all ignition sources.

6.2 Environmental precautions

Biodegradable.

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6.3 Methods and materials for containment and cleaning up

Contain and collect material into plastic container. Water rinse and drain, flush small amounts. Use sanitary landfill disposal. Follow national and local regulations (RCRA; Subtitle D).
If Material is Released/Spilled: Keep spectators away. Contain spill with inert material (e.g. sand, earth). Keep spills and cleaning runoffs out of municipal sewers and open bodies of water.

6.4 Reference to other sections

See SECTION 13, Disposal Considerations, for information regarding the disposal of contained spills.

SECTION 7 — HANDLING AND STORAGE

7.1 Precautions for safe handling

Use in well-ventilated areas; avoid breathing vapors. Keep containers closed when not in use. Avoid from freezing.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool, dry place with adequate ventilation. Keep from freezing - product may coagulate.
Storage temperature: Max. 49°C/120°F 1°C/34°F

7.3 Specific end uses

N/A

SECTION 8 — EXPOSURE CONTROL / PERSONAL PROTECTION

8.1 Control parameters

TLV-value 400 ppm maximum for Isopropanol.

Hazardous Ingredients	CAS No.	TLV-value
Isopropanol	67-63-0	400 ppm

8.2 Exposure controls

Technical Control Measures	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.
Hygiene Measures	Wash hands before eating, smoking, or using washroom facilities

Individual protection measures

Eye/Face Protection	Safety glasses or Chemical splash goggles as defined in ANSI Z-87.1 or a similar standard.
Skin Protection	No precautions other than clean body covering clothing should be needed.
Hand Protection	Impervious/Neoprene Gloves.
Respiratory Protection	Wear MSHA/NIOSH approved respirator where exposure limits are exceeded.
Ingestion	Use good personal hygiene. Do not consume or store food in the work area. Wash hands before smoking or eating.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance:	Liquid
Color:	Clear violet
Odor:	Floral Alcohol
Odor Threshold:	N/A
pH:	6.0-8.0
Melting Point:	N/A
Boiling Point:	>200°F (93.3°C)
Flash Point:	106°F (41°C)
Evaporation rate:	0.28
Flammability:	Classification according to NFPA and OSHA as “non-flammable”. Flammable Category 3 according to EU and GHS.

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Upper flammability or explosive limits:	N/A
Lower flammability or explosive limits:	N/A
Vapor Pressure (mm Hg):	18.0
Vapor Density (air=1):	1.06
Relative Density:	8.17 lbs./gal at 20°C
Specific Gravity (H2O = 1) :	0.98
Solubility:	Completely
Partition coefficient:	N/A
Auto-ignition temperature:	N/A
Decomposition temperature:	N/A
Viscosity:	N/A
Explosive properties:	N/A
Oxidizing properties:	N/A

9.2 Other information

VOC per Method 24 of EPA: 1% VOC by wt.

SECTION 10 — STABILITY AND REACTIVITY

10.1 Reactivity
N/A

10.2 Chemical stability
Stable product at normal conditions.

10.3 Possibility of hazardous reactions
N/A

10.4 Conditions to avoid
Temperatures above 100°F (38°C) and below 34°F (1°C)

10.5 Incompatible materials
Strong Oxidizers.

10.6 Hazardous decomposition products
Thermal decomposition may yield carbon monoxide.

SECTION 11 — TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

All information refers to the main component Isopropanol

Acute toxicity: None known.

Special Effects: None known.

SECTION 12 — ECOLOGICAL INFORMATION

12.1 Toxicity
N/A

12.2 Persistence and degradability
N/A

12.3 Bioaccumulative potential
Not likely.

12.4 Mobility in soil
The product is aqueous and will be separated in aqueous conditions.

12.5 Results of PBT and vPvB assessment
N/A

12.6 Other adverse effects
N/A

12.7 Additional information
No environmental hazards have been reported or known.

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SECTION 13 — DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product:	Contain 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).

13.2 Additional information

N/A

SECTION 14 — TRANSPORT INFORMATION

This product is not classified for transport under ADR/IMDG regulations.
This product is not classified as a flammable liquid according to DOT and IATA transportation standards and is not regulated as such.

14.1 UN Number	N/A
14.2 UN proper shipping name	N/A
14.3 Transport hazard class(es)	N/A
14.4 Packing group	N/A
14.5 Environmental hazards	N/A
14.6 Special precautions for user	N/A
14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code	N/A

SECTION 15 — REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Physical/Chemical Indication	Non-flammable (NFPA and OSHA), Flammable (EU and GHS)

The below 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 CFR37:

CAS Number: 67-63-0 with maximum weight 25%

EINECS Status	All components are included in the EINECS Inventories.
TSCA	All ingredients of this product are listed or are excluded from the listing on the U.S. Toxic substance.
REACH	This product does not required REACH registration.

15.2 Chemical Safety Assessment

N/A

SECTION 16 — OTHER INFORMATION

HMIS RATING	Health 1, Flammability 1, Reactivity 0, Personal Protection B
NFPA RATING	Special Hazard: N/A, Health: 1, Flammability: 1, Instability: 0
SDS Updated	**2017-04-03**

Disclaimer

OTHER INFORMATION: This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitableness and completeness of such information for his own particular use.

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