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Tel: +86-755-8981 8866 Fax: +86-755-8427 6832
Email & Skype: info@chipsmall.com Web: www.chipsmall.com
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

# Statguard® Low Residue Floor Stripper Application Instructions

Made in the United States of America


*Figure 1. Statguard® Low Residue Floor Stripper*

*Figure 2. Applying the Statguard® Low Residue Floor Stripper with a cotton mop*

## Description

Statguard® Low Residue 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.

## General Guidelines

Statguard® Low Residue Floor Stripper is designed specifically for use with the Statguard® Static Dissipative Floor Finishes and similar polymer type floor finishes. The mild pH formulation is non-ammoniated, phosphate-free, and biodegradable. Excellent removability properties enable the stripper to break up and lift multiple layers of static dissipative (ESD) type floor finish when used on vinyl, concrete, rubber, terrazzo, quarry tile, brick, slate, and unglazed ceramic. It is not recommended for use on asphalt tile, linoleum and Dutch linoleum floors; test for bleaching on a small area first. Use in a well ventilated area.

## Application

Always use in a well ventilated area or wear a suitable respirator. Wear appropriate eye protection such as splash goggles and impervious type protective gloves. Mix Statguard® Low Residue Floor Stripper with warm water. Please see the below chart to find the accurate ratio for your floor.

| Gallons of Statguard® Stripper Concentrate | Gallons of Dilution (Water) | Total sq.ft covered | Sq. m. per Liter | Statguard® Floor Finish Build up |
|---|---|---|---|---|
| 1 | 5 | 600 | 14.7 | Light to Medium |
| 1 | 1 | 200 | 4.9 | Heavy |
| 1 | 0.5 | 100 | 2.5 | Heavy Aged |

1. Apply stripper liberally to the floor in need of stripping. Using a cotton mop, uniformly distribute the solution. Let the solution sit for 7-10 minutes. Do not let it dry.
2. Using a scrubbing machine at 175 RPM, and a synthetic pad (green to black), scrub the area to be stripped.
3. Clean area using hot water and the same cotton mop.
4. Reapply Statguard® Low Residue Floor Stripper, repeat steps 3-5.
5. Rinse area TWICE using hot water and a clean mop.
6. Using a wet vacuum or mop, remove rinse water from floor.

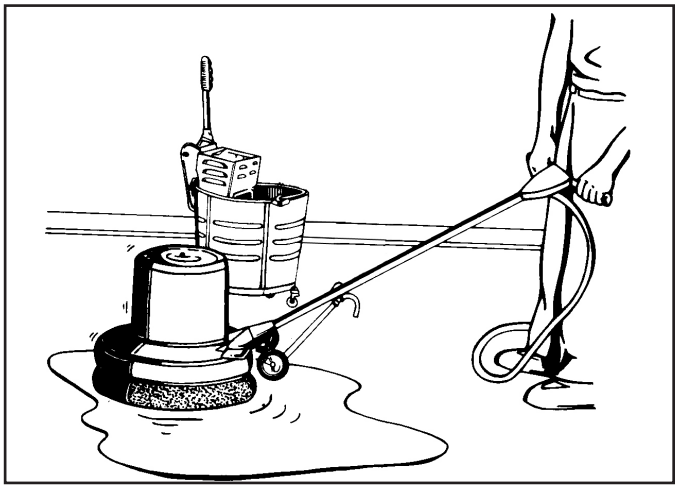


*Figure 3. Applying the Statguard® Low Residue Floor Stripper with a scrubbing machine*

**DESCO INDUSTRIES, INC.** - 3651 Walnut Avenue, Chino, CA 91710 • (909) 627-8178 • Website: DescoIndustries.com

## Physical Properties

| | |
|---|---|
| **pH** | 10 - 11 |
| **% Solids** | 2% |
| **Density at 70%** | 8.38 lbs/gal (1 kg/L) |
| **Color** | Light red |
| **Solubility in Water** | 100% |
| **%Volatile by wt.** | 98% |
| **VOC% at 5:1 (per method 310)** | 3%* |
| **VOC% at 1:1 (per method 310)** | 9%* |

## Testing

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 effect the floor finish curing time as well as other properties of the finish.
To test for pH residue, test either the rinse water or the floor using either a pH measuring instrument or a piece of pH indicating litmus paper. The floor pH should be pH 7.0 (neutral) before applying any Statguard® finish. If after rinsing and the floor pH is still above pH 7 we recommend using our neutralizer part number 46022.

## Storage

Statguard® Low Residue Floor Stripper 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 the product be stored in its original container and be sealed when not in use.

**RoHS, REACH, and Conflict Minerals Statement**
See the Desco Industries RoHS, 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

**Statguard® Low Residue Floor Stripper is available from these Desco Industries brands:**

DESCO

**for service and support in North America**

| | |
|---|---|
| 2.5 Gallons | 10441 |
| 5.0 Gallons | 10442 |

STATGUARD FLOORING

**for service and support in North America**

| | |
|---|---|
| 2.5 Gallons | 46020 |
| 5.0 Gallons | 46021 |

DESCO EUROPE

**for service and support in United Kingdom and Europe**

| | |
|---|---|
| 10 Litres | 220523 |

DESCO ASIA

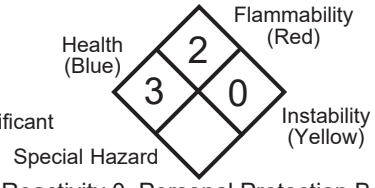
**for service and support in Asia**

| | |
|---|---|
| 10 Liters | 10441 |
| 20 Liters | 10442 |

**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.

**NFPA Designation 704**

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




Revision Date: 2017-04-17

HMIS RATING: Health 3, Flammability 2, Reactivity 0, Personal Protection B

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

### 1.1 Product identifiers

| | |
|---|---|
| Product Name: | Statguard® Low Residue Floor Stripper |
| 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: | Floor Finish Stripper |

### 1.3 Details of the supplier of the safety data sheet

| | |
|---|---|
| Manufacturer: | Desco Industries, Inc.<br>One Colgate Way.<br>Canton, MA 02021<br>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

| | |
|---|---|
| Serious eye damage/eye irritation | Category 2 |
| Skin Corrosion/irritation | Category 1B + 2 |
| Acute toxicity (Oral) | Category 4 |
| Acute toxicity (Dermal) | Category 4 |
| Acute toxicity (Inhalation: Vapors) | Category 4 |
| Specific Target Organ Toxicity (Single Exposure) | Category 3 |

### 2.2 Label elements

| | |
|---|---|
| Symbol: | Flame. Corrosion |
| Signal word: | Danger |
| Hazard statements: | (H225): Highly flammable liquid and vapour.<br>(H302): Harmful if swallowed.<br>(H312): Harmful in contact with skin.<br>(H314): Causes severe skin burns and eye damage.<br>(H315): Cause skin irritation.<br>(H319): Cause serious eye irritation.<br>(H332): Harmful if inhaled.<br>(H336): May cause drowsiness or dizziness. |
| Precautionary statements: | (P210): Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.<br>(P233): Keep container tightly closed.<br>(P240): Ground/bond container and receiving equipment.<br>(P241): Use explosion-proof electrical/ventilating/ lighting equipment.<br>(P242): Use only non-sparking tools.<br>(P260): Do not breathe dust/fume/gas/mist/vapours/spray.<br>(P264): Wash hands thoroughly after handling. |

(P270): Do not eat, drink or smoke when using this product.
(P271): Use only outdoors or in a well-ventilated area.
(P280): Wear protective gloves/ protective clothing /eye protection/face protection.

(P301 + P312 + P330 + P331): IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth. Do NOT induce vomiting.
(P302 + P352 + P312): IF ON SKIN: Wash with plenty of water. Call a POISON CENTER/doctor if you feel unwell.
(P362 + P364): Take off contaminated clothing and wash it before reuse.
(P303 + P361 + P353): IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
(P332 + P313): If skin irritation occurs: Get medical advice/attention.
(P304 + P340 +P310): If INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor.
(P305 + P351 + P338): IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
(P337 + P313): If eye irritation persists: Get medical advice/attention.

(P403 + P235): Store in a well-ventilated place. Keep cool.
(P405): Store locked up.
(P501):Dispose of contents/container in compliance with all Federal, State/ Provincial and local laws and regulations.

**2.3 Other hazards** N/A

## SECTION 3 — COMPOSITION/INFORMATION ON INGREDIENTS

**3.2 Mixture**

| Hazardous Ingredients | CAS No. | Weight % |
|---|---|---|
| Ethanolamine | 141-43-5 | 5-25% |
| Ethylene glycol monobutyl ether | 111-76-2 | 5-25% |
| Isopropanol | 67-63-0 | 5-25% |

## SECTION 4 — FIRST AID MEASURES

**4.1 Description of first aid measures**

| | |
|---|---|
| Eye Contact | Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. If eye irritation persists: Get medical advice/attention. |
| Skin Contact | Take off immediately all contaminated clothing. Rinse skin with water shower. Wash with plenty of soap and water. If irritation occurs: Get medical advice/attention. |
| Ingestion | Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER. |
| Inhalation | Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER or doctor/ physician. |

**4.2 Most important symptoms and effects, both acute and delayed**

No further relevant information available.

**4.3 Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

## SECTION 5 — FIRE FIGHTING MEASURES

**5.1 Extinguishing media**

| | |
|---|---|
| Suitable Extinguishing Media | N/A |
| Unsuitable Extinguishing Methods | N/A |

### 5.2 Special hazards arising from the substance or mixture

Combustion may produce carbon oxides (CO, $CO_2$) and nitrogen oxides (NO, $NO_2$...).

### 5.3 Advice for firefighters

Move containers from fire area if it can be done without risk. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. In the event of fire wear self-contained breathing apparatus (SCBA) and full protective gear.

## SECTION 6 — ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

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

### 6.2 Environmental precautions

Prevent from entering into soil, ditches, sewers, waterways and/or groundwater.

### 6.3 Methods and materials for containment and cleaning up

Small Spills: Absorb spill with an inert material such as clay. Collect material and properly dispose.

Large Spills: Corrosive liquid. Keep away from heat. Stop leak if without risk. Absorb with DRY earth, sand, or clay. Do not get water inside container. Do not touch spilled material. Use water spray curtain to divert vapor drift. Prevent entry into sewers, basements or confined areas. Call for assistance on disposal.

### 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

Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling. Do not ingest. Do not breathe gas/fumes/vapor/spray. In case of insufficient ventilation, wear suitable respiratory equipment. Containers, even though that have been emptied, can contain vapors. Do not cut, drill, grind, weld, or perform similar operations on or near empty containers.

### 7.2 Conditions for safe storage, including any incompatibilities

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

**7.3 Specific end use(s)** N/A

## SECTION 8 — EXPOSURE CONTROL / PERSONAL PROTECTION

### 8.1 Control parameters

TLV-valve 3 ppm maximum for Monoethanolamine.

| Hazardous Ingredients | CAS No. | TLV-value | OSHA PEL |
|---|---|---|---|
| Ethanolamine | 141-43-5 | 3 ppm | 3 ppm or 6 mg/$m^3$ |
| Ethylene glycol monobutyl ether | 111-76-2 | 20 ppm | 50 ppm or 240 mg/$m^3$ |
| Isopropanol | 67-63-0 | 200 ppm | 400 ppm or 980 mg/$m^3$ |

### 8.2 Exposure controls

| | |
|---|---|
| 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 of non-control, use the proper hand eye protection and other protective items listed in this section. |

**Individual protection measures**

| | |
|---|---|
| Respiratory Protection | Wear MSHA/NIOSH approved respirator where exposure limits are exceeded. |
| Hand Protection | Impervious/Neoprene Gloves |

| | |
|---|---|
| Eye protection | Chemical Splash Goggles as defined in ANSI Z-87.1 or a similar standard. |
| Other Protective Equipment | Eyewash station |
| Work/Hygienic Practices | Wash hands before eating, smoking, or using washroom facilities. |

## SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

| | |
|---|---|
| Appearance: | Liquid |
| Color: | Clear pink |
| Odor: | Milk odor |
| Odor Threshold: | N/A |
| pH: | 10.0 - 11.0 |
| Melting Point: | 0°C |
| Boiling Point: | >212°F (100°C) |
| Flash Point: | N/A |
| Evaporation rate: | N/A |
| Flammability: | Classification according to EC-regulations “non-flammable” |
| Upper flammability or explosive limits: | N/A |
| Lower flammability or explosive limits: | N/A |
| Vapor Pressure (mm Hg): | 17.0 |
| Vapor Density (air=1): | <1 |
| Relative Density: | 8.38 lbs/gal (1 kg/L) at 70% |
| Specific Gravity (H2O = 1) : | 1.0 - 1.2 |
| Solubility: | Dilutable |
| 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 % at 5:1 (per method 310): | 3%* |
| VOC % at 1:1 (per method 310): | 9%* |

*This product meets VOC requirements per Title 17, California Code of Regulations, Division 3, Chapter 1, Subchapter 8.5, Article 2, Section 94509.

## SECTION 10 — STABILITY AND REACTIVITY

### 10.1 Reactivity

No further relevant information available.

### 10.2 Chemical stability

No further relevant information available.

### 10.3 Possibility of hazardous reactions

No further relevant information available.

### 10.4 Conditions to avoid

Temperatures above 120°F (49°C) and below 34°F (1°C). Avoid ignition sources

### 10.5 Incompatible materials

Avoid contamination with strong acids, bases and oxidizing agents.

### 10.6 Hazardous decomposition products

Thermal decomposition may yield carbon monoxide, carbon dioxide, and nitrogen oxides. Can also produce Aldehydes, Ketones, and Organic acids.

## SECTION 11 — TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

**Acute Effects:**

| | |
|---|---|
| Eye Contact | Causes serious eye damage and eye irritation. |
| Skin Contact | Causes severe skin burns and skin irritation. |
| Inhalation | May be fatal if swallowed and enters airways. |
| Ingestion | Harmful if swallowed. May damage gastrointestinal tract with repeat exposure. |
| Target Organ Effects | Nervous system, kidney, liver, testis, gastrointestinal tract, respiratory system, spleen, blood system, systemic toxicity. |
| Conditions Aggravated by Exposure | Can cause asthma symptoms or breathing difficulties. |

**Acute Toxicity:**

| | | | |
|---|---|---|---|
| **Ethanolamine** | Draize Test (Eye) | (Rabbit) | 250 ug severe |
| CAS No.: 141-43-5 | Oral Toxicity | (Mouse) | $LD_{50}$ = 700 mg/kg |
| | | (Rabbit) | $LD_{50}$ = 1 mg/kg |
| | | (Rat) | $LD_{50}$ = 1720 mg/kg |
| | Skin Toxicity | (Rabbit) | $LD_{50}$ = 1 mL/kg |
| **Ethylene glycol monobutyl ether** | Oral Toxicity | (Guinea Pig) | $LD_{50}$ = 1,400 mg/kg |
| CAS No.: 111-76-2 | | (Male Rat) | $LD_{50}$ = 1,746 mg/kg |
| | Skin Toxicity | (Rat) | $LD_{50}$ = 2,270 mg/kg |
| | | (Rabbit) | $LD_{50}$ = 99-610 mg/kg |
| | | (Guinea Pig) | $LD_{50}$ = 2,000 mg/kg |
| | Inhalation Toxicity | (Rat) | $LC_{50}$ = 700 ppm, 7 hrs, Vapor |
| **Isopropanol** | Oral Toxicity | (Rat) | $LD_{50}$ = 5045 mg/kg |
| CAS No.: 67-63-0 | Dermal Toxicity | (Rabbit) | $LD_{50}$ = 5030 mg/kg; 7900 mg/kg |
| | Inhalation Toxicity | (Rat) | $LD_{50}$ = 16000 ppm, 4 hrs, Vapor |

## SECTION 12 — ECOLOGICAL INFORMATION

| | |
|---|---|
| **12.1 Toxicity** | Practically Non Toxic |
| **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. Some components may dissolve in water. |
| **12.5 Results of PBT and vPvB assessment** | N/A |
| **12.6 Other adverse effects** | N/A |
| **12.7 Additional Information** | None hazardous |

## SECTION 13 — DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

| | |
|---|---|
| Product | DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER. Coagulate the emulsion by the stepwise of Ferric Chloride and Lime. Incinerate the solids and the contaminated diking material according to local, national and federal regulations. |

| | |
|---|---|
| Container Disposal | Drain container thoroughly. After draining, vent in a safe place away from sparks and fire. Residues may cause an explosion hazard. Do not puncture, cute or weld uncleaned drums. Send to drum recoverer or metal reclaimer. |
| **13.2 Additional information** | N/A |

## SECTION 14 — TRANSPORT INFORMATION

This product is not classified for transport under ADR/IMDG regulations.

| | |
|---|---|
| **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 |

**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 141-43-5 with maximum weight 25%
CAS Number 111-76-2 with maximum weight 25%
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 Control ACT (TSCA) Chemical Substance inventory |
| REACH | This product does not require REACH registration. |
| **15.2 Chemical Safety Assessment** | N/A |

## SECTION 16 — OTHER INFORMATION

| | |
|---|---|
| HMIS RATING | Health: 3, Flammability: 2, Reactivity: 0, Personal Protection B |
| NFPA RATING | Special Hazard: N/A, Health: 3, Flammability: 2, Instability: 0 |
| **SDS Updated** | **2017-04-17** |

**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.