

Statguard® Low Residue Floor Stripper Application Instructions



Made in the
United States of America



Figure 1. Statguard® Low Residue Floor Stripper

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® and Statfree® 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 sqft 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



Figure 3. Applying the Statguard® Low Residue Floor Stripper with a cotton mop

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 @ 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.

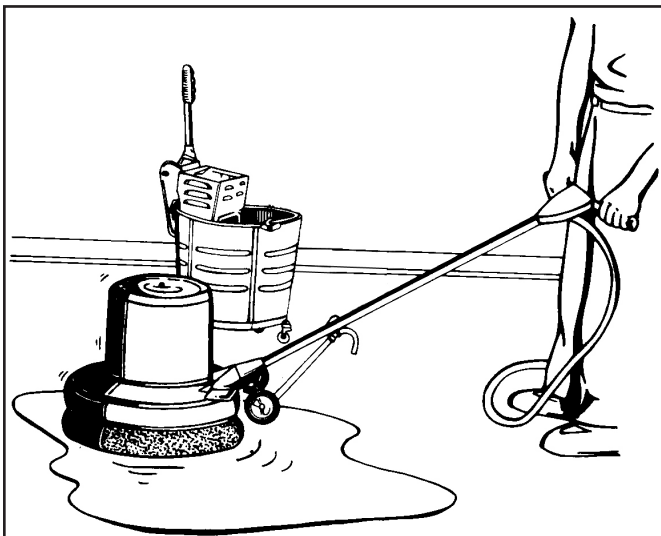


Figure 4. Applying the Statguard® Low Residue Floor Stripper with a scrubbing machine

Physical Properties

pH	10.5
% Solids	2%
Density @ 70°F	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%*

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.

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. Litmus paper is available - see item [46023](#). If after rinsing and the floor pH is still above pH 7 we recommend using our neutralizer part number [46022](#).

Limited Warranty, Warranty Exclusions, Limit of Liability and RMA Request Instructions

See Desco Industries Inc. Warranty
<http://www.descoindustries.com/Warranty.aspx>

RoHS 2, REACH, and Conflict Minerals Statement

None of the RoHS 2 restricted materials or REACH substances of very high concern as of 2014/12/17, or Conflict Minerals are intentionally added in manufacturing this product. Ref: European Union Directive 2011/65/EU and Regulation (EC) No. 1907/2006/CE. See Desco [Limited Warranty at DescoIndustries.com](#).

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

DESCO

for service and support in North America

2.5 Gallons [10441](#)

5 Gallons [10442](#)

STATGUARD FLOORING

for service and support in North America

2.5 Gallons [46020](#)

5 Gallons [46021](#)

CHARLESWATER

for service and support in the U.K. and Europe

10 L [71047](#)

Vermason

for service and support in the U.K. and Europe

10 L [220523](#)

DESCO ASIA

for service and support in Asia

10 L [10441](#)

20 L [10442](#)

DESCO JAPAN

for service and support in Japan

10 L [10441](#)

20 L [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. Standard must be consulted for specific requirements.

NFPA Designation 704

Degree of Hazard

4 = Extreme

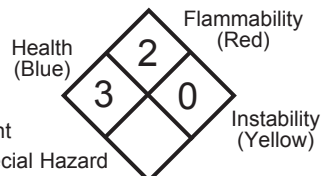
3 = High

2 = Moderate

1 = Slight

0 = Insignificant

Special Hazard



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

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name/Identity: Statguard® Low Residue Floor Stripper
Chemical Name: Floor Finish Stripper
Recommended use: Floor Stripper
Manufacturer: Desco Industries, Inc.
Address: One Colgate Way
Canton, MA 02021
Telephone: 781-821-8370
Emergency Number: 781-821-8370

SECTION 2 — HAZARDS IDENTIFICATION**Classification:**

Serious eye damage/eye irritation	Category 1 + 2 + 2A
Reproductive toxicity	Category 2
Acute toxicity (Oral)	Category 4 + 5
Acute toxicity (Dermal)	Category 3
Acute toxicity (Inhalation: Vapors)	Category 2
Skin corrosion/irritation	Category 1A + 2
Respiratory sensitization	Category 1
Skin sensitization	Category 1
Specific target organ toxicity (Single Exposure)	Category 1 (central nervous system, blood, kidney, liver) Category 3 (respiratory tract irritation)
Specific target organ toxicity (Repeated Exposure)	Category 1 (nervous system, testis, gastrointestinal tract, liver, kidney, respiratory system, blood system) Category 2 (blood, respiratory system, liver, spleen)
Hazardous to the aquatic environment (Acute)	Category 2

Labelling:

Symbol: Skull + Crossbones, Health Hazard, Corrosive.

Signal word: Danger.

Hazard statement: Causes serious eye damage/irritation.
May be fatal if swallowed and enters airways.
Harmful if swallowed.
Suspected of damaging fertility or the unborn child.
Toxic to aquatic life.
Toxic in contact with skin.
Causes severe skin burns and skin irritation.
May cause an allergic skin reaction.
May cause respiratory irritation (respiratory tract irritation).
May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Causes damage to organs (nervous system, blood, kidney, liver, systemic toxicity).
Cause damage to organs through prolonged or repeated exposure (nervous system, testis, gastrointestinal tract, liver, kidney, respiratory system, spleen, blood system).

Precautionary statements:

IF ON SKIN (or hair): 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.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell.

IF INHALED: Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.

Do not eat, drink or smoke when using this product.

Wash skin, eyes, and mouth thoroughly after handling.

Wear protective gloves/protective clothing/eye protection/face/ respiratory protection.

Use additional personal protective equipment as required.

Immediately take off contaminated clothing and wash before reuse.

Contaminated work clothing should not be allowed out of the workplace.

Store in a well-ventilated place.

Keep cool.

Keep container tightly closed.

Store locked up.

Do not breathe dust/fume/gas/mist/vapors/spray.

Use only outdoors or in a well-ventilated area.

In case of inadequate ventilation wear respiratory protection.

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Call a POISON CENTER or doctor/physician if you feel unwell.

IF exposed or concerned: Get medical advice/attention.

If skin irritation or rash occurs: Get medical advice/attention.

Avoid release to the environment.

Dispose of contents/container in compliance with all Federal, State/ Provincial and local laws and regulations.

SECTION 3 — COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients:	CAS No.	Weight (%)
Ethanol, 2 Amine*	141-43-5	5-25%
Glycol Ether*	111-76-2	5-25%
Isopropanol*	67-63-0	5-25%

*These 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 CFR372.

SECTION 4 — 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.

SECTION 5 — FIREFIGHTING MEASURES

Proper Extinguishing Media: N/A.

Unsuitable Extinguishing Methods: N/A.

Protective Equipment & Precautions: Wear self-contained breathing apparatus (pressure-demand, MSHA/NIOAH-approved) and full protective gear.

Special Fire Fighting Procedures: None required.

Unusual Fire and Explosion Hazards: None known.

Combustion Products: Combustion may produce carbon oxides (CO, CO₂) and nitrogen oxides (NO, NO₂...).

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear protective clothing. Inhalation protection. Extinguish all ignition sources.

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

Clean Up Methods

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.

Waste Disposal Method: For discard this is a hazardous waste. RCRA #D-002 (corrosive): reportable quantity 1 lb. (CERCLA [Superfund] Sec. 103) Incinerate the solids and the contaminated diking/clean up material according to local, state, and federal regulations.

SECTION 7 — HANDLING AND STORAGE

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 those that have been emptied, can contain vapors. Do not cut, drill, grind, weld, or perform similar operations on or near empty containers.

Handling Temperature: Ambient.

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

Other Precautions: Keep from freezing – product may coagulate.
Keep container dry. Keep away from heat.
Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use.
Do not store in Aluminum, Copper, or galvanized steel/iron containers.

Incompatibilities: Avoid contact with oxidizing agents, acids, flammables, and aerosols.

SECTION 8 — EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure Limits

Hazardous Ingredients:	CAS No.	TLV-value	OSHA PEL
Ethanol, 2 Amine*	141-43-5	3 ppm	3 ppm / 6 mg/m ³
Glycol Ether*	111-76-2	20 ppm	50 ppm / 240 mg/m ³
Isopropanol*	67-63-0	200 ppm	400 ppm / 980 mg/m ³

Exposure controls

Control Parameters: TLV-value 3 ppm maximum for Monoethanolamine.

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, use the proper hand eye protection and other protective items listed in this section.

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

Personal protective equipment (PPE)

Hand Protection: Impervious/Neoprene Gloves.

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

Other Protective Clothing/Equipment: Eyewash station.

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

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Form:	Liquid.
Color:	Clear, pink liquid.
Odor:	Mild odor.
Odor threshold:	N/A.
Boiling Point:	>212°F (100°C)
Melting Point:	0°C
Specific Gravity (H ₂ O = 1):	1.0 - 1.2
Solubility in Water:	Dilutable.
pH:	10.0-11.0
Flash Point:	N/A.
Flammability Limits:	N/A.
Vapor Pressure (mm Hg):	17
Vapor Density (air=1):	<1
Density at 20°C:	N/A.
Flammability:	Classification according to EC-regulations "non-flammable".
Ignition Temperature:	N/A.
Evaporation Rate:	N/A.
Decomposition Temperature:	N/A.
Partition coefficient:	N/A.
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

Hazardous Polymerization: N/A.

Hazardous Decomposition/Byproducts: Thermal decomposition may yield carbon monoxide, carbon dioxide, and nitrogen oxides. Can also produce Aldehydes, Ketones, and Organic acids.

Incompatibility (<i>Materials to Avoid</i>):	Avoid contamination with strong acids, bases, and oxidizing agents.
Stability/Reactivity:	Stable product at normal conditions.
Conditions to Avoid:	Temperatures above 49°C/120°F and below 1°C/34°F. Avoid ignition sources.

SECTION 11 — TOXICOLOGICAL INFORMATION

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 repeated 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.

Toxicity Values:

Ethanol, 2 Amine (141-43-5)

Draize test, rabbit, eye: 250 ug Severe.
 Oral, mouse: LD50 = 700 mg/kg.
 Oral, rabbit: LD50 = 1 gm/kg.
 Oral, rat: LD50 = 1720 mg/kg.
 Skin, rabbit: LD50 = 1 mL/kg.

Ethylene Glycol Monobutyl Ether (111-76-2)

Oral, Guinea Pig: LD50 = 1,400 mg/kg.
 Oral, male rat: LD50 = 1,746 mg/kg.
 Skin, rat: LD50 = 2,270 mg/kg.
 Skin, rabbit: LD50 = 99-610 mg/kg.
 Skin, Guinea Oig: LD50 = 2,000 mg/kg.
 Inhalation, Rat: LC50, 7h, Vapor: 700 ppm.

Isopropanol (67-63-0)

Oral LD50; 5045 mg/kg (RAT).
 Dermal LD50; 5030. 7900 mg/kg (Rabbit).
 Inhalation: LC50; 16000 ppm, 4 h (RAT).

SECTION 12 — ECOLOGICAL INFORMATION

Mobility:	The product is aqueous and will be separated in aqueous conditions. Some components may dissolve in water.
Degradability:	N/A.
Bioaccumulation:	Not likely.
Ecotoxicity:	Practically Non Toxic.
Reference to BimSchV:	N/A.
Hazard Classification:	None hazardous.

SECTION 13 — DISPOSAL CONSIDERATIONS

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, state, 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, cut or weld uncleaned drums. Send to drum recoverer or metal reclaimer.

SECTION 14 — TRANSPORT INFORMATION

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

SECTION 15 — REGULATORY INFORMATION

Physical/Chemical Indication:	Non-flammable.
Risk-Phrase:	(R22): Harmful if swallowed. (R36/38): Irritating to eyes and skin.
Safety-Phrase:	(S1/2): Keep locked up and out of the reach of children, (S7): Keep containers well closed, (S24/25): Avoid contact with skin and eyes, (S26): In case of contact with eyes, rinse immediately with plenty of water and seek medical advice, (S46): If swallowed, seek medical advice immediately and show this container or label, (S62): If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.
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.

SECTION 16 — OTHER INFORMATION

HMIS RATING:	Health 2, Flammability 0, Physical Hazard 0, Personal Protection B
NFPA RATING:	Special Hazard: N/A, Health: 3, Flammability: 2, Instability: 0
SDS Updated:	2015-03-17

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 suitability and completeness of such information for his own particular use.