

SAFETY DATA SHEET

May be used to comply with Regulation (EU) No. 2015/830. Standards must be consulted for specific requirements.

Revision Date: 2019-07-16

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

1.1 Product identifiers

Product Name: Statguard® Low-VOC Dissipative Floor Finish

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

Identified use: Dissipative Floor Finish

1.3 Details of the supplier of the safety data sheet

Supplier: DESCO INDUSTRIES INC
2A Dunhams Lane
Letchworth Garden City
Hertfordshire, SG6 1BE
UNITED KINGDOM
+44 (0) 1462 672005

Email Address: Service@DescoEurope.com

1.4 Emergency telephone number

United Kingdom: +44 (0) 1462 672005

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SECTION 2 — HAZARDS IDENTIFICATION

2.1 Classification of substance or mixture

The mixture is non-hazardous under the criteria of the CLP Regulation (EC) No. 1272/2008.

2.2 Label elements

The mixture is non-hazardous under the criteria of the CLP Regulation (EC) No. 1272/2008.

2.3 Other hazards None known

SECTION 3 — COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

None of the ingredients present are above their hazard cutoff values as defined by the CLP Regulation (EC) No. 1272/2008

Component(s)	CAS No.	Concentration	Classification
Diethylene glycol monoethyl ether	111-90-0	5 - 25%	Not classified

SECTION 4 — FIRST AID MEASURES

4.1 Description of first aid measures

Eye Contact Immediately flush eyes with water; remove contact lenses, if present, after the first 5 minutes, then continue flushing eyes for at least 15 minutes. Obtain medical attention without delay, preferably from an ophthalmologist. Suitable emergency eye wash facility should be immediately available.

Skin Contact In case of contact, immediately flush with plenty of water. If irritation occurs and persists, get medical attention.

Ingestion Rinse mouth. If you feel unwell, get medical attention.

Inhalation Remove person to fresh air. If you feel unwell, get medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Aside from the information found under Description of first aid measures (above) and Indication of immediate medical attention and special treatment needed (below), any additional important symptoms and effects are described in Section 11: Toxicology Information.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician: No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

SECTION 5 — FIRE FIGHTING MEASURES

5.1 Extinguishing media

Suitable Extinguishing Media To extinguish combustible residues of this product use water fog, carbon dioxide, dry chemical or foam.

Unsuitable Extinguishing Methods None known

5.2 Special hazards arising from the substance or mixture

Under fire conditions some components of this product may decompose. The smoke may contain unidentified toxic and/or irritating compounds. Combustion products may include and are not limited to: Carbon dioxide. Carbon monoxide. Hazardous compounds.

Unusual Fire and Explosion Hazards: This material will not burn until the water has evaporated. Residue can burn.

5.3 Advice for firefighters

Wear self-contained breathing apparatus and protective suit. If protective equipment is not available or not used, fight fire from a protected location or safe distance.

SECTION 6 — ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Keep people away from and upwind of spill/leak. Material can create slippery conditions.

6.2 Environmental precautions

CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

6.3 Methods and materials for containment and cleaning up

Contain spills immediately with inert materials (e.g., sand, earth). Transfer liquids and solid diking material to separate suitable containers for recovery or 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. Keep container tightly closed. Do not breathe vapors, mist or gas.

7.2 Conditions for safe storage, including any incompatibilities

Keep from freezing - product stability may be affected. STIR WELL BEFORE USE.

Storage temperature: 1°C - 49°C (34°F - 120°F)

Other data: Monomer vapors can be evolved when material is heated during processing operations.

See SECTION 8, for types of ventilation required.

7.3 Specific end uses Floor Finish

SECTION 8 — EXPOSURE CONTROL / PERSONAL PROTECTION

8.1 Control parameters

None of the components is listed in EH40/2005 Workplace Exposure Limits. (Containing the workplace exposure limits (WELs) for use with the Control of Substances Hazardous to Health Regulations (COSHH) 2002 (as amended). Updated by September 2006 official press release and October 2007 Supplement.)

8.2 Exposure controls

Technical Control: Use local exhaust, or other technology solutions to keep air levels below given or recommended limit values. If limit values are not present, good general ventilation should be sufficient. Local exhaustion may be required in some operations.

Individual protection measures

Eye/Face Protection	Safety glasses (with side shields) should be consistent with EN 166 or equivalent.
Skin Protection	No precautions other than clean body covering clothing should be needed.
Hand Protection	<p>In case of using gloves, use chemical resistant gloves classified according to standard SS-EN 374: Protective gloves against chemical and microorganisms.</p> <p>In case of prolonged contact or repeated contact, it is recommended gloves with protection index grade 4 or higher (breakthrough time longer than 120 minutes according to standard SS-EN 374).</p> <p>When only short-term contact is expected, it is recommended gloves with protective index class 1 or higher (breakthrough time longer than 10 minutes according to standard SS-EN 374).</p>
Respiratory Protection	Use the following CE-approved filters: Filters against organic gases with prefilter to particles, type AP2.
Hygiene measures	Wash hands before breaks and at the end of workday.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance:	Liquid
Color:	White liquid (Dries Clear)
Odor:	polymer smell
Odor Threshold:	N/A
pH:	7.0 - 8.0
Melting Point:	N/A
Boiling Point:	>200°F (93.3°C)
Flash Point:	Noncombustible
Evaporation rate:	N/A
Flammability:	Non-flammable
Upper flammability or explosive limits:	N/A
Lower flammability or explosive limits:	N/A
Vapor Pressure (mm Hg):	N/A
Vapor Density (air=1):	N/A
Relative Density:	N/A
Specific Gravity (H ₂ O = 1)	1.03
Solubility:	Complete
Partition coefficient:	N/A
Auto-ignition temperature:	N/A
Decomposition temperature:	N/A
Viscosity:	< 10 cps (0.01 Pa•s)
Explosive properties:	N/A
Oxidizing properties:	N/A

9.2 Other information

VOC 0%*

*Title 17, California Code of Regulations, Division 3, Chapter 1, Subchapter 8.5, Article 2, Section 94508

SECTION 10 — STABILITY AND REACTIVITY

10.1 Reactivity

No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

Stable product at normal conditions.

10.3 Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4 Conditions to avoid

Temperatures above 100°F (38°C) and below 34°F (1°C)

10.5 Incompatible materials

Strong oxidizing agents. Strong acids.

10.6 Hazardous decomposition products

Thermal decomposition may yield Carbon Oxides, Hazardous Organic Compounds, Acrylates

SECTION 11 — TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute Toxicity

Acute oral toxicity	Very low toxicity if swallowed. Harmful effects not anticipated from swallowing small amounts. Based on information for component(s): LD50, Rat, > 5,000 mg/kg Estimated.
Acute dermal toxicity	Prolonged skin contact is unlikely to result in absorption of harmful amounts. Based on information for component(s): LD50, Rabbit, > 5,000 mg/kg Estimated.
Acute inhalation toxicity	Brief (minutes) exposure to vapor, mist or dust is not likely to cause adverse effects. The LC50 has not been determined.

Skin corrosion/irritation

Brief contact may cause skin irritation with local redness.

Serious eye damage/eye irritation

May cause eye irritation. May cause corneal injury.

Sensitization

For the component(s) tested: Did not demonstrate the potential for contact allergy in mice.
For respiratory sensitization: No relevant data found.

Specific Target Organ Systemic Toxicity (Single Exposure)

Evaluation of available data suggests that this material is not an STOT-SE toxicant.

Specific Target Organ Systemic Toxicity (Repeated Exposure)

Based on available data, repeated exposures are not anticipated to cause significant adverse effects.

Carcinogenicity

For the component(s) tested: Did not cause cancer in laboratory animals.

Teratogenicity

Did not cause birth defects or any other fetal effects in laboratory animals.

Reproductive toxicity

For the component(s) tested: In animal studies, did not interfere with reproduction.

Mutagenicity

In vitro genetic toxicity studies were negative for component(s) tested. Genetic toxicity studies in animals were negative for component(s) tested.

Aspiration Hazard

Based on physical properties, not likely to be an aspiration hazard.

COMPONENTS INFLUENCING TOXICOLOGY:

Diethylene glycol monoethyl ether (CAS No.: 111-90-0)

Acute oral toxicity

LD50, Mouse, 6,031 mg/kg

Acute dermal toxicity

LD50, Rabbit, 9,143 mg/kg

Acute inhalation toxicity

LC50, Rat, 8 hours, vapor, 0.025 mg/L

SECTION 12 — ECOLOGICAL INFORMATION

12.1 Toxicity

Ingredients	Acute toxicity to fish	Acute toxicity to aquatic invertebrates	Acute toxicity to algae/aquatic plants
Diethylene glycol monoethyl ether CAS No.: 111-90-0	LC50, Ictalurus catus (catfish), flow-through test, 96 Hour, 6,010 mg/l, OECD Test Guideline 203 or Equivalent.	LC50, Daphnia magna (Water flea), static test, 48 Hour, 1,982 mg/l, OECD Test Guideline 202 or Equivalent	EC50, Desmodesmus subspicatus (green algae), static test, 96 Hour, Growth rate inhibition, > 100 mg/l, OECD Test Guideline 201 or Equivalent

12.2 Persistence and degradability

Diethylene glycol monoethyl ether (CAS No.: 111-90-0)

Biodegradability: Material is readily biodegradable. Passes OECD test(s) for ready biodegradability. Material is ultimately biodegradable (reaches > 70% mineralization in OECD test(s) for inherent biodegradability).

10-day Window: Pass

Biodegradation: 90 %

Exposure time: 28 d

Method: OECD Test Guideline 301E or Equivalent

10-day Window: Not applicable

Biodegradation: > 90 %

Exposure time: 5.5 d

Method: OECD Test Guideline 302B or Equivalent

12.3 Bioaccumulative potential

Diethylene Glycol Monoethyl Ether (CAS No.: 111-90-0)

Bioaccumulation: Bioconcentration potential is low (BCF < 100 or Log Pow < 3).

Partition coefficient: n-octanol/water(log Pow): -0.54 Measured

12.4 Mobility in soil

Diethylene Glycol Monoethyl Ether (CAS No.: 111-90-0)

Potential for mobility in soil is very high (Koc between 0 and 50).

Partition coefficient(Koc): 20 Estimated.

12.5 Results of PBT and vPvB assessment

No relevant data found.

12.6 Other adverse effects

No relevant data found.

12.7 Additional Information

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Harmful to aquatic life with long lasting effects.

SECTION 13 — DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

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 material according to local and federal regulations.

13.2 Additional information

None

SECTION 14 — TRANSPORT INFORMATION

Classification for ROAD AND RAILWAY TRANSPORT (ADR / RID)

14.1 UN Number

Not applicable

14.2 UN proper shipping name	Not regulated
14.3 Transport hazard class(es)	Not applicable
14.4 Packing group	Not applicable
14.5 Environmental hazards	Not considered to be environmentally hazardous, based on available data.
14.6 Special precautions for user	No data available

Classification for SEA transport (IMO-IMDG)

14.1 UN Number	Not applicable
14.2 UN proper shipping name	Not regulated for transport
14.3 Transport hazard class(es)	Not applicable
14.4 Packing group	Not applicable
14.5 Environmental hazards	Not considered to be marine pollutant, based on available data.
14.6 Special precautions for user	No data available

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code

Consult IMO regulations before transporting ocean bulk.

Classification for AIR transport (IATA/ICAO)

14.1 UN Number	Not applicable
14.2 UN proper shipping name	Not regulated for transport
14.3 Transport hazard class(es)	Not applicable
14.4 Packing group	Not applicable
14.5 Environmental hazards	Not applicable
14.6 Special precautions for user	No data available

None

SECTION 15 — REGULATORY INFORMATION

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

REACH Regulation (EC) No 1907/2006.

Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals. As of 2012-09-27 Desco Industries Inc. has completed an assessment of all of our products and is not under any obligation to register.

Seveso II - Directive 96/82/EC and its amendments:

Listed in Regulation: Not applicable.

15.2 Chemical Safety Assessment N/A

SECTION 16 — OTHER INFORMATION

Full H- (Hazard-) statements mentioned in sections 2 and 3

None

Classification and procedure used to derive classification from mixtures according to Regulation (EC) No 1272/2008

None

SDS Updated 2019-07-16

Full text of other abbreviations

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; EC-Number - European Community number; GHS - Globally Harmonized System; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; NOAEL - No Observed Adverse Effect Level; n.o.s. - Not Otherwise Specified; OECD - Organization for Economic Co-operation and Development; PBT - Persistent, Bioaccumulative and Toxic substance; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SDS - Safety Data Sheet; vPvB - Very Persistent and Very Bioaccumulative

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.