

SAFETY DATA SHEET

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

Revision Date: 2018-11-30

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

1.1 Product identifiers

Product Name: Statguard® Dissipative Neutral Floor Cleaner

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

Identified use: Floor Cleaner

1.3 Details of the supplier of the safety data sheet

Supplier: DESCO EUROPE
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

Office hours: 8:00 AM - 5:00 PM

SECTION 2 — HAZARDS IDENTIFICATION

2.1 Classification of substance or mixture

Classification according to Regulation (EC) No 1272/2008

| | |
|-----------------------|------------|
| Acute Toxicity (Oral) | Category 4 |
| Eye irritation | Category 2 |
| Skin irritation | Category 2 |

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

Hazard pictograms/Symbols:



Signal word:

WARNING

Hazard statements:

H302 Harmful if swallowed
H315 Causes skin irritation
H319 Causes serious eye irritation

Precautionary statements:

Prevention

P264 Wash hands thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response

P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTRE if you feel unwell.
P302 + P352 IF ON SKIN: Wash with plenty of water.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

2.3 Other hazards

None known

SECTION 3 — COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixture

| Components | CAS No. | Concentration | Classification |
|------------------|-----------|---------------|---|
| Lithium Chloride | 7447-41-8 | 5 - 25% | Acute tox. (Oral) 4 - H302 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 |

SECTION 4 — FIRST AID MEASURES

4.1 Description of first aid measures

| | |
|------------------------|---|
| General advice: | First Aid responders should pay attention to self-protection and use the recommended protective clothing (chemical resistant gloves, splash protection). If potential for exposure exists refer to Section 8 for specific personal protective equipment. |
| Inhalation: | Remove person to fresh air. If you feel unwell, get medical attention. |
| Skin Contact | In case of contact, immediately flush with plenty of water. If irritation occurs and persists, get medical attention. |
| 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. |
| Ingestion | Rinse mouth. 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 | The product is non-combustible. Dry chemical, CO ₂ , water spray or regular 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.

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

5.3 Advice for firefighters

Wear positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing (includes fire fighting helmet, coat, trousers, boots, and gloves). 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)

See SECTION 8, for types of ventilation required.

7.3 Specific end uses

See Technical Data Sheet for further information

SECTION 8 — EXPOSURE CONTROL / PERSONAL PROTECTION

8.1 Control parameters

If exposure limits exist, they are listed below. If no exposure limits are displayed, then no values are applicable.

| Component | Regulation | Type of listing | Value/Notation |
|------------------|------------|-----------------|----------------------|
| Lithium Chloride | GB EH40 | TWA | 10 mg/m ³ |

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

Chemical protective gloves is not needed when handling this material. Consistent with general hygienic practice for any material, skin contact should be minimized.

In case of using gloves, use gloves chemically resistant to this material. Examples of preferred glove barrier materials include: Neoprene. Nitrile/ butadiene rubber ("nitrile" or "NBR"). Polyvinyl chloride ("PVC" or "vinyl"). Avoid gloves made of: Polyvinyl alcohol ("PVA").

In case of using gloves, use chemical resistant gloves classified according to standard SS-EN 374: Protective gloves against chemical and microorganisms.

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).

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).

Respiratory Protection

Respiratory protection should be worn as there is a risk of exposure above given or recommended Occupational Exposure Limits. If such limit values are not present, respiratory protection will cause effects such as respiratory irritation or discomfort, or when risk assessment indicates that this is required. Under most conditions, no respiratory protection should be required; If discomfort is experienced, use an approved respiratory protective device.

Use the following CE-approved filters: Filters against organic gases with prefilter to particles, type AP2.

Environmental exposure controls

See SECTION 7: Handling and storage and SECTION 13: Disposal considerations for measures to prevent excessive environmental exposure during use and waste disposal.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

| | |
|---|--------------------|
| Appearance: | Liquid. |
| Color: | Clear green |
| Odor: | No odor. |
| Odor Threshold: | No data available |
| pH: | 6.5 - 7.5 |
| Melting Point: | No data available. |
| Boiling Point: | 212°F (100°C) |
| Flash Point: | No data available |
| Evaporation rate: | No data available |
| Flammability: | Not Applicable |
| Upper flammability or explosive limits: | Not Applicable |
| Lower flammability or explosive limits: | Not Applicable |
| Vapor Pressure (mm Hg): | No data available |
| Vapor Density (air=1): | No data available |
| Relative Density: | No data available |
| Specific Gravity (H ₂ O = 1) : | 1.0 - 1.2 |
| Water Solubility: | Soluble |
| Partition coefficient: | No data available |
| Auto-ignition temperature: | Not Applicable |
| Decomposition temperature: | No data available |
| Viscosity: | No data available |
| Explosive properties: | No data available |
| Oxidizing properties: | No data available |

9.2 Other information

None

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 monoxide.

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, > 2,000 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, > 2,000 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

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

For the component(s) tested: Did not cause birth defects or any other fetal effects in laboratory animals.

Reproductive toxicity

For the component(s) tested: 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:

Lithium Chloride

Acute oral toxicity

LD50, Rat, > 710 mg/kg

Acute dermal toxicity

LD50, Rat, > 2000 mg/kg

Acute inhalation toxicity

LC50, Rat, > 5.53 mg/L/4 hr

Skin corrosion/irritation

Rabbit, Irritating

Serious eye damage/eye irritation

Rabbit, Moderately Irritating

Sensitization

Negative in Buehler Test

Specific Target Organ Systemic Toxicity (Single Exposure)

Oral NOAEL* = 3.05 mg/kg

Inhalation NOAEL = 0.00269

SECTION 12 — ECOLOGICAL INFORMATION

12.1 Toxicity

Lithium Chloride

Acute toxicity to fish

LC50, Oncorhynchus mykiss (rainbow trout), 158 mg/L/96 hr, NOEC Pimephates promelas (fathead minnow) 1.2 mg/L (OECD 210)

Acute toxicity to aquatic invertebrates

EC50 Daphnia magna 249 mg/L/48 hr; MPEC Daaphnia magna 4 mg/L/21 day (OECD 211 - similar substance)

Acute toxicity to algae/aquatic plants

ErC50 Pseudokirchneriella subcapitata (green algae) 400 mg/L/72 hr, NOEC 25 mg/L (OECD 201)

12.2 Persistence and degradability

Not applicable

12.3 Bioaccumulative potential

Bioaccumulation is unlikely.

12.4 Mobility in soil

Lithium Chloride

Log Pow = -2.66.

12.5 Results of PBT and vPvB assessment

The mixture contains no components that are considered to be persistent, bioaccumulative and toxic (PBT) or very persistent and highly bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Other adverse effects

No relevant data found.

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

- H302 - Harmful if swallow
- H315 - Causes skin irritation
- H319 - Causes serious eye irritation

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

This product is not classified as dangerous according to EC criteria.

SDS Updated **2018-11-30**

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.