

## SAFETY DATA SHEET

May be used to comply with JIS Z 7253:2012. Standards must be consulted for specific requirements.

Revision Date: 2018-12-20

### 1. IDENTIFICATION

**Product Name:** Statfree® Dissipative Burnishing Restorer

**Identified use:** Floor dissipative burnishing restorer

**Company Identification:** DESCO JAPAN Kabushiki Kaisha

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YACHIMATA-SHI  
CHIBA-KEN 289-1115 JAPAN

**Email Address:** [Service@DescoAsia.com](mailto:Service@DescoAsia.com)

**Emergency telephone number** +81 43-309-4470

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

### 2. HAZARDS IDENTIFICATION

#### GHS Classification

Reproductive Toxicity Category 2

#### GHS Label elements

Hazard pictograms/Symbols:



Signal word:

**WARNING**

Hazard statements:

Suspected of damaging fertility or the unborn child.

Precautionary statements:

#### Prevention

Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.  
Use personal protective equipment as required.

#### Response

IF exposed or concerned: Get medical advice/attention.

#### Storage

Store locked up.

#### Disposal

Dispose of contents/ container to an approved waste disposal plant.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

This product is a mixture.

Components	CAS No.	ENCS number	ISHL number	Concentration
Diethylene glycol methyl ether	111-77-3	(2)-422	(2)-422	< 1.0%

### 4. FIRST AID MEASURES

#### 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.

**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.

**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.

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**5. FIREFIGHTING MEASURES**

**Extinguishing media**

Suitable Extinguishing Media	The product is non-combustible. Dry chemical, CO2, water spray or regular foam
Unsuitable Extinguishing Methods	None known

**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.

**Unusual Fire and Explosion Hazards:** None known.

**Advice for firefighters**

**Fire Fighting Procedures:** Keep people away. Isolate fire and deny unnecessary entry. Contain fire water run-off if possible.

**Special protective equipment 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.

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**6. ACCIDENTAL RELEASE MEASURES**

**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.

**Environmental precautions**

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

**Methods and materials for containment and cleaning up**

Spill: Mop up spills immediately. Wet floor may present slip hazard.

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**7. HANDLING AND STORAGE**

**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.

**Conditions for safe storage, including any incompatibilities**

Keep from freezing - product stability may be affected. For commercial and industrial use only.

**Storage stability**

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

See SECTION 8, for types of ventilation required.

## 8. EXPOSURE CONTROL / PERSONAL PROTECTION

### Control parameters

Components	CAS No.	TLV-value	OSHA PEL
Diethylene glycol methyl ether	111-77-3	20 ppm	50 ppm or 240 mg/m <sup>3</sup>

### 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 exhaust may be required in some operations.

### Individual protection measures

#### Eye/Face Protection

Use chemical safety goggles.

#### 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").

#### 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.

#### Hygiene measures

Wash hands before breaks and at the end of workday.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

Appearance:	Liquid.
Color:	light blue
Odor:	No odor.
Odor Threshold:	No data available
pH:	6.0 - 7.0
Melting Point:	No data available.
Boiling Point:	> 212°F (100°C)
Flash Point:	No data available
Evaporation rate:	< 1.0
Flammability:	Non-flammable
Upper flammability or explosive limits:	Not Applicable
Lower flammability or explosive limits:	Not Applicable
Vapor Pressure (mm Hg):	17
Vapor Density (air=1):	< 1.0
Relative Density:	No data available
Specific Gravity (H <sub>2</sub> 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

## 10. STABILITY AND REACTIVITY

**Reactivity:** No dangerous reaction known under conditions of normal use.

**Chemical stability:** Stable product at normal conditions.

**Possibility of hazardous reactions:** Hazardous polymerization will not occur.

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

**Incompatible materials:** Strong oxidizing agents. Strong acids.

**Hazardous decomposition products:** Thermal decomposition may yield carbon monoxide.

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## 11. TOXICOLOGICAL INFORMATION

### 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

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)

No relevant data found.

#### Carcinogenicity

No relevant data found.

#### Teratogenicity

No relevant data found.

#### Reproductive toxicity

No relevant data found.

#### Mutagenicity

No relevant data found.

#### Aspiration Hazard

No relevant data found.

### COMPONENTS INFLUENCING TOXICOLOGY:

#### Diethylene glycol methyl ether (CAS No.: 111-77-3)

##### Acute oral toxicity

LD50, Rat, > 7,000 mg/kg

##### Acute dermal toxicity

LD50, Rabbit, > 20,400 mg/kg

**Acute inhalation toxicity**

LC50, Rabbit, > 9,404 mg/kg

**Skin corrosion/irritation**

Rabbit, No skin irritation - 72 h

**Serious eye damage/eye irritation**

Rabbit, No eye irritation - 72 h

**Sensitization**

Maximisation Test (GPMT) - Guinea pig

Result: Does not cause skin sensitisation.

**Reproductive toxicity**

Possible risk of congenital malformation in the fetus.

Suspected human reproductive toxicant

Overexposure may cause reproductive disorder(s) based on tests with laboratory animals.

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**12. ECOLOGICAL INFORMATION**

Ecotoxicological information appears in this section when such data is available.

**Toxicity****Diethylene glycol methyl ether (CAS No.: 111-77-3)****Acute toxicity to fish**

LC50, Lepomis macrochirus - 7,500 mg/l - 96 h

LC50, Pimephales promelas (fathead minnow) - 5,741 mg/l - 96 h

**Acute toxicity to aquatic invertebrates**

EC50, Daphnia magna (Water flea) - 1,192 mg/l - 48 h

**Acute toxicity to algae/aquatic plants**

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

**Persistence and degradability**

No data available.

**Bioaccumulative potential**

No data available.

**Mobility in soil**

No data available.

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**13. DISPOSAL CONSIDERATIONS****Disposal methods**

Product	Coagulate the product 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.
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**14. TRANSPORT INFORMATION****Classification for ROAD AND RAILWAY TRANSPORT (ADR / RID)**

Not regulated for transport

**Classification for SEA transport (IMO-IMDG)**

Not regulated for transport

**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)**

Not regulated for transport

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**15. REGULATORY INFORMATION****Japan Fire Service Law**

NOT REGULATED

**Industrial Safety and Health Law**

Japan. Industrial Safety & Health Law (ISHL) List All components of this product are in compliance with ISHL

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(Japan, Industrial Safety and Health Law) inventory rules.  
Hazardous substance NOT REGULATED  
Ordinance on Specified Chemical Hazard Prevention. NOT REGULATED  
Ordinance on Organic Solvent Poison Prevention NOT REGULATED  
Display Chemical

Components	CAS No.	Concentration
Diethylene glycol methyl ether	111-77-3	< 1.0%

**PRTR Law**  
NOT REGULATED

**Poisonous and Deleterious Substance Control Law**  
NOT REGULATED

**Japan. ENCS - Existing and New Chemical Substances Inventory (ENCS)**  
All intentional components are listed on the inventory, are exempt, or are supplier certified.

## 16. OTHER INFORMATION

**SDS Updated:** 2018-12-20

### Legend

OSHA PEL	OSHA Permissible Exposure Limit
TLV	Threshold limit value

### 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.