

Printing Date: 14.12.2004

Reviewed On: 14.12.2004

## 1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY

### PRODUCT DETAILS

Trade name: Servigard DW Part A

**Manufacturer/supplier:**

Grace Construction Products  
Ajax Avenue,  
Slough,  
Berks.  
SL1 4BH

Tel: ++44 (0)1753 692929

Fax: ++44 (0)1753 691623

[www.graceconstruction.com](http://www.graceconstruction.com)

**Information in case of emergency:** ++44 (0)208 762 8322

## 2 COMPOSITION/INFORMATION ON INGREDIENTS

### CHEMICAL CHARACTERIZATION

**Description:**

Mixture of substances listed below with non-hazardous additions.  
For further information, please refer to the product technical data sheet.

**Dangerous components:** Not applicable.

**Additional information:** For the wording of the listed risk phrases refer to section 16.

## 3 HAZARDS IDENTIFICATION

**Hazard description:** Not applicable.

**Information concerning particular hazards for human and environment:**

The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

## 4 FIRST-AID MEASURES

**General information:** No special measures required.

**After inhalation:**

Take affected persons into fresh air and keep quiet.  
Seek immediate medical advice.

**After skin contact:**

Immediately wash with water and soap and rinse thoroughly.  
Seek immediate medical advice.

**After eye contact:**

Rinse opened eye for several minutes under running water.  
Seek immediate medical advice.

**After swallowing:**

Wash out mouth with water.  
Do not induce vomiting; call for medical help immediately.

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Never give anything by mouth to an unconscious person.

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### 5 FIRE-FIGHTING MEASURES

**Suitable extinguishing agents:** CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray.

**Protective equipment:** Wear self-contained respiratory protective device.

**Additional information:** Collect contaminated fire fighting water separately. It must not enter the sewage system.

### 6 ACCIDENTAL RELEASE MEASURES

**Person-related safety precautions:**

Ensure adequate ventilation.

Wear protective equipment. Keep unprotected persons away.

**Measures for environmental protection:**

Do not allow to enter sewers/ surface or ground water.

Dilute with plenty of water.

**Measures for cleaning/collecting:**

Ensure adequate ventilation.

Absorb with liquid-binding material (sand, diatomite, universal binders).

Send for recovery or disposal in suitable receptacles.

Dispose contaminated material as waste according to item 13.

### 7 HANDLING AND STORAGE

#### HANDLING

**Information for safe handling:**

Open and handle receptacle with care.

Store in original containers.

**Information about fire - and explosion protection:** No special measures required.

#### STORAGE

**Information about storage in one common storage facility:** No special measures required.

**Further information about storage conditions:**

Protect from frost.

Store in cool, dry conditions in well sealed receptacles.

### 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

**Ingredients with limit values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

**Additional information:** Based on the lists valid at the date of MSDS creation.

#### PERSONAL PROTECTIVE EQUIPMENT

**General protective and hygienic measures:** Avoid contact with the eyes and skin.

**Respiratory protection:** Not necessary if room is well-ventilated.

**Protection of hands:** Protective gloves.

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**Trade name: Servigard DW Part A**

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**Material of gloves:** Rubber gloves.

**Eye protection:**

Safety glasses.

Face protection.

**Body protection:** Protective work clothing.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

### GENERAL INFORMATION

<b>Form:</b>	Liquid.
<b>Colour:</b>	According to product specification.
<b>Odour:</b>	Characteristic.

**Change in conditions:-**

**Melting point/Melting range:** Undetermined.

**Boiling point/Boiling range:** > 100°C

**Flash point:** > 100°C

**Self-igniting:** Product is not self-igniting.

**Danger of explosion:** Product does not present an explosion hazard.

**Solubility in/Miscibility with:-**

**Water:** Fully miscible.

**Additional information:** These are typical values and do not constitute a specification.

## 10 STABILITY AND REACTIVITY

**Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

**Dangerous reactions:** No dangerous reactions known.

**Dangerous decomposition products:**

Hydrogen chloride (HCl)

Carbon monoxide and carbon dioxide.

## 11 TOXICOLOGICAL INFORMATION

### ACUTE TOXICITY

**LD/LC50 values relevant for classification:**

**25322-68-3 Polyethylene glycol**

Oral	LD50	30000 mg/kg (rat)
Dermal	LD50	>20000 mg/kg (rabbit)

**Primary irritant effect:-**

**on the skin:** May be irritating to the skin on prolonged contact.

**on the eye:** May be irritating to the eyes.

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### Additional toxicological information:

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

## 12 ECOLOGICAL INFORMATION

### General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

## 13 DISPOSAL CONSIDERATIONS

### PRODUCT

#### European waste catalogue:

08 00 00	WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS
08 04 00	wastes from MFSU of adhesives and sealants (including waterproofing products)
08 04 10	waste adhesives and sealants other than those mentioned in 08 04 09

### UNCLEANED PACKAGING

**Recommendation:** Disposal must be made according to official regulations.

**Recommended cleansing agents:** Water, if necessary together with cleansing agents.

## 14 TRANSPORT INFORMATION

### LAND TRANSPORT ADR/RID (cross-border)

ADR/RID class: -

### MARITIME TRANSPORT IMDG

IMDG Class: -

Marine pollutant: No.

### AIR TRANSPORT ICAO-TI AND IATA-DGR

ICAO/IATA Class: -

## 15 REGULATORY INFORMATION

**Labelling according to EU guidelines:** Observe the general safety regulations when handling chemicals.

**Waterhazard class:** WGK 1 (VwVwS Anhang 4 vom 19.05.1999): slightly hazardous for water.

**Other regulations, limitations and prohibitive regulations:** All components EINECS listed.

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**16 OTHER INFORMATION**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**Department issuing MSDS:**

EHS Department, EMEA Region, Grace Performance Chemicals, Ajax Avenue, Slough, Berks. SL1 4BH  
Tel: ++44 (0)1753 692929, Fax: ++44 (0)1753 637659

**Other Information:** SAP No.: 12454/31643

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## 1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY

### PRODUCT DETAILS

Trade name: Servigard DW Part B

#### Manufacturer/supplier:

Grace Construction Products  
Ajax Avenue,  
Slough,  
Berks.  
SL1 4BH

Tel: ++44 (0)1753 692929

Fax: ++44 (0)1753 691623

[www.graceconstruction.com](http://www.graceconstruction.com)

Information in case of emergency: ++44 (0)208 762 8322

## 2 COMPOSITION/INFORMATION ON INGREDIENTS

### CHEMICAL CHARACTERIZATION

#### Description:

Mixture of substances listed below with non-hazardous additions.  
For further information, please refer to the product technical data sheet.

#### Dangerous components:

CAS: 9016-45-9 NLP: 500-024-6	Nonylphenol ethoxylate	☒ Xn; R 22-36/38-53	2.0-5.0%
CAS: 793-24-8 EINECS: 212-344-0	N-1,3-Dimethyl-N'-phenyl-1,4-phenylenediamine	☒ Xi, ☒ N; R 43-50/53	0.0-1.0%
CAS: 1305-78-8 EINECS: 215-138-9	Calcium oxide	☒ Xi; R 38-41	30-50%

Additional information: For the wording of the listed risk phrases refer to section 16.

## 3 HAZARDS IDENTIFICATION

### Hazard description:



Xi Irritant

### Information concerning particular hazards for human and environment:

The product has to be labelled in accordance with applicable regulations.

R 38 Irritating to skin.

R 41 Risk of serious damage to eyes.

R 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

## 4 FIRST-AID MEASURES

### After inhalation:

Take affected persons into fresh air and keep quiet.

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**Trade name: Servigard DW Part B**

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Seek immediate medical advice.

**After skin contact:**

Immediately wash with water and soap and rinse thoroughly.  
Seek immediate medical advice.

**After eye contact:**

Rinse opened eye for several minutes under running water.  
Seek immediate medical advice.

**After swallowing:**

Wash out mouth with water.  
Do not induce vomiting; call for medical help immediately.  
Never give anything by mouth to an unconscious person.

## 5 FIRE-FIGHTING MEASURES

**Suitable extinguishing agents:** CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray.

**Protective equipment:** Wear self-contained respiratory protective device.

**Additional information:** Collect contaminated fire fighting water separately. It must not enter the sewage system.

## 6 ACCIDENTAL RELEASE MEASURES

**Person-related safety precautions:**

Ensure adequate ventilation.  
Wear protective equipment. Keep unprotected persons away.  
Particular danger of slipping on leaked/spilled product.

**Measures for environmental protection:** Do not allow to enter sewers/ surface or ground water.

**Measures for cleaning/collecting:**

Ensure adequate ventilation.  
Absorb with liquid-binding material (sand, diatomite, universal binders).  
Send for recovery or disposal in suitable receptacles.  
Dispose contaminated material as waste according to item 13.

## 7 HANDLING AND STORAGE

**HANDLING****Information for safe handling:**

Risk of serious damage to eyes.  
Open and handle receptacle with care.  
Store in original containers.

**Information about fire - and explosion protection:** No special measures required.

**STORAGE**

**Information about storage in one common storage facility:** No special measures required.

**Further information about storage conditions:**

Protect from frost.  
Store in cool, dry conditions in well sealed receptacles.

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Trade name: **Servigard DW Part B**

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### 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Ingredients with limit values that require monitoring at the workplace:

1305-78-8 Calcium oxide

OES | Long-term value: 2 mg/m<sup>3</sup>

**Additional information:** Based on the lists valid at the date of MSDS creation.

#### PERSONAL PROTECTIVE EQUIPMENT

##### General protective and hygienic measures:

Avoid contact with the eyes and skin.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

##### Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

**Protection of hands:** Protective gloves.

**Material of gloves:** Rubber gloves.

##### Eye protection:



Tightly sealed goggles.

Face protection.

**Body protection:** Protective work clothing.

### 9 PHYSICAL AND CHEMICAL PROPERTIES

#### GENERAL INFORMATION

**Form:** Liquid.  
**Colour:** According to product specification.  
**Odour:** Characteristic.

#### Change in conditions:-

**Melting point/Melting range:** Undetermined.  
**Boiling point/Boiling range:** > 100°C

**Flash point:** > 100°C

**Self-igniting:** Product is not self-igniting.

**Danger of explosion:** Product does not present an explosion hazard.

**Solubility in/Miscibility with:-** Not miscible or difficult to mix.

**Additional information:** These are typical values and do not constitute a specification.

### 10 STABILITY AND REACTIVITY

**Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

#### Dangerous reactions:

Reacts with alkaline metals.

Reacts with strong oxidizing agents.

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**Trade name: Servigard DW Part B**

Reacts with earth alkaline metals.

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**Dangerous decomposition products:**

Hydrogen chloride (HCl)  
Carbon monoxide and carbon dioxide.

## 11 TOXICOLOGICAL INFORMATION

### ACUTE TOXICITY

**LD/LC50 values relevant for classification:**

**13463-67-7 Titanium dioxide**

Oral	LD50	> 10 000 mg/kg (rat)
Dermal	LD50	> 10 000 mg/kg (rabbit)
Inhalative	LC50/4 h	> 6.82 mg/l (rat)

**Primary irritant effect:-**

**on the skin:** Irritant to skin and mucous membranes.

**on the eye:** Irritating effect.

**Sensitization:** Sensitization possible through skin contact.

**Additional toxicological information:**

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:  
Irritant

## 12 ECOLOGICAL INFORMATION

### ECOTOXICAL EFFECTS

**Remark:** Harmful to fish

**General notes:**

Water hazard class 3 (German Regulation) (Self-assessment): extremely hazardous for water  
Do not allow product to reach ground water, water course or sewage system, even in small quantities.  
Danger to drinking water if even extremely small quantities leak into the ground.  
Harmful to aquatic organisms

## 13 DISPOSAL CONSIDERATIONS

### PRODUCT

**Recommendation:**



Must not be disposed together with household garbage. Do not allow product to reach sewage system.

**European waste catalogue:**

08 00 00	WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS
08 04 00	wastes from MFSU of adhesives and sealants (including waterproofing products)

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**Trade name: Servigard DW Part B**

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08 04 09 | waste adhesives and sealants containing organic solvents or other dangerous substances

**UNCLEANED PACKAGING**

**Recommendation:** Disposal must be made according to official regulations.

**14 TRANSPORT INFORMATION****LAND TRANSPORT ADR/RID (cross-border)**

**ADR/RID class:** -

**MARITIME TRANSPORT IMDG**

**IMDG Class:** -

**Marine pollutant:** No.

**AIR TRANSPORT ICAO-TI AND IATA-DGR**

**ICAO/IATA Class:** -

**15 REGULATORY INFORMATION****Labelling according to EU guidelines:**

Observe the general safety regulations when handling chemicals.

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

**Code letter and hazard designation of product:**

Xi Irritant

**Hazard-determining components of labelling:**

Calcium oxide

**Risk phrases:**

38 Irritating to skin.

41 Risk of serious damage to eyes.

52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Safety phrases:**

2 Keep out of the reach of children.

24/25 Avoid contact with skin and eyes.

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

29/56 Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.

37/39 Wear suitable gloves and eye/face protection.

46 If swallowed, seek medical advice immediately and show this container or label.

60 This material and its container must be disposed of as hazardous waste.

64 If swallowed, rinse mouth with water (only if the person is conscious).

**Special labelling of certain preparations:**

Contains . **May produce an allergic reaction.**

**Waterhazard class:** WGK 3 (VwVwS Anhang 4 vom 19.05.1999): extremely hazardous for water.

**Other regulations, limitations and prohibitive regulations:** All components EINECS listed.

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**Trade name: Servigard DW Part B**

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**16 OTHER INFORMATION**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**Relevant R-phrases:**

- 22 Harmful if swallowed.
- 36/38 Irritating to eyes and skin.
- 38 Irritating to skin.
- 41 Risk of serious damage to eyes.
- 43 May cause sensitisation by skin contact.
- 50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- 53 May cause long-term adverse effects in the aquatic environment.

**Department issuing MSDS:**

EHS Department, EMEA Region, Grace Performance Chemicals, Ajax Avenue, Slough, Berks. SL1 4BH  
Tel: ++44 (0)1753 692929, Fax: ++44 (0)1753 637659

**Other Information:** SAP No.: 12454/31643

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