

Printing Date: 18.01.2005

Reviewed On: 18.01.2005

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

### PRODUCT DETAILS

Trade name: Vertiseal CE Standard 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:

|                                      |                         |   |          |
|--------------------------------------|-------------------------|---|----------|
| CAS: 85535-84-8<br>EINECS: 287-476-5 | Alkanes, C10-13, chloro |  Xn,  N; R 40-50/53 | 20-30%   |
| CAS: 1313-13-9<br>EINECS: 215-202-6  | Manganese dioxide       |  Xn; R 20/22   | 20-30%   |
| CAS: 1317-65-3<br>EINECS: 215-279-6  | Calcium carbonate       |   | 30-50%   |
| CAS: 137-26-8<br>EINECS: 205-286-2   | Thiram                  |  Xn; R 20/22-36/37-43-68   | 1.0-2.0% |
| CAS: 1310-73-2<br>EINECS: 215-185-5  | Sodium hydroxide        |  C; R 35   | 0.0-1.0% |

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

## 3 HAZARDS IDENTIFICATION

### Hazard description:



Xn Harmful  
N Dangerous for the environment

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

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

R 22 Harmful if swallowed.

R 36/38 Irritating to eyes and skin.

R 40 Limited evidence of a carcinogenic effect.

R 43 May cause sensitisation by skin contact.

R 50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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# Material Safety Data Sheet

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R 68 Possible risk of irreversible effects.

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### 4 FIRST-AID MEASURES

**General information:**

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

**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.  
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.

**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:**

Open and handle receptacle with care.  
Store in original containers.

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

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### 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:

#### 1317-65-3 Calcium carbonate

OES Long-term value: 10\* 4\*\* mg/m<sup>3</sup>  
\*total inhalable dust \*\*respirable dust

#### 1310-73-2 Sodium hydroxide

OES Short-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.

Do not inhale dust / smoke / mist.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Do not inhale gases / fumes / aerosols.

#### 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

|                |                                     |
|----------------|-------------------------------------|
| <b>Form:</b>   | Paste.                              |
| <b>Colour:</b> | According to product specification. |
| <b>Odour:</b>  | Characteristic.                     |

#### Change in conditions:-

|                                     |               |
|-------------------------------------|---------------|
| <b>Melting point/Melting range:</b> | Undetermined. |
| <b>Boiling point/Boiling range:</b> | > 100°C       |

|                     |         |
|---------------------|---------|
| <b>Flash point:</b> | > 100°C |
|---------------------|---------|

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|   |   |
|---|---|
| <b>Self-igniting:</b>                   | Product is not self-igniting.                                   |
| <b>Danger of explosion:</b>             | Product does not present an explosion hazard.                   |
| <b>Solubility in/Miscibility with:-</b> | Not miscible or difficult to mix.                               |
| <b>Additional information:</b>          | 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 acids.

Reacts with strong oxidizing agents.

**Dangerous decomposition products:**

Hydrogen chloride (HCl)

Carbon monoxide and carbon dioxide.

Sulphur oxides (SO<sub>x</sub>).

### 11 TOXICOLOGICAL INFORMATION

#### ACUTE TOXICITY

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

**137-26-8 Thiram**

|      |      |                 |
|------|------|-----------------|
| Oral | LD50 | 560 mg/kg (rat) |
|------|------|-----------------|

|        |      |                  |
|--------|------|------------------|
| Dermal | LD50 | 2000 mg/kg (rat) |
|--------|------|------------------|

**1310-73-2 Sodium hydroxide**

|      |      |                  |
|------|------|------------------|
| Oral | LD50 | 2000 mg/kg (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:

Harmful

Irritant

### 12 ECOLOGICAL INFORMATION

#### ECOTOXICAL EFFECTS

**Remark:** Very toxic for 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.

Also poisonous for fish and plankton in water bodies.

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Very toxic for aquatic organisms

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### 13 DISPOSAL CONSIDERATIONS

#### PRODUCT

##### Recommendation:



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

##### European waste catalogue:

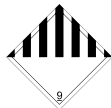
|          |   |
|----------|---|
| 08 00 00 | WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS |
| 08 04 00 | wastes from MFSU of adhesives and sealants (including waterproofing products)   |
|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



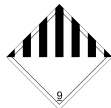
**ADR/RID class:** 9 Miscellaneous dangerous substances and articles.

**UN-Number:** 3082

**Hazard label:** 9

**Description of goods:** 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Alkanes, C10-13, chloro)

#### MARITIME TRANSPORT IMDG



**IMDG Class:** 9

**UN Number:** 3082

**Label:** 9

**Packaging group:** III

**Marine pollutant:** No.

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# Material Safety Data Sheet

## According to 91/155 EEC

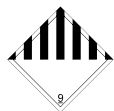
Printing Date: 18.01.2005

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**Trade name: Vertiseal CE Standard Part A**

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**Proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Alkanes, C10-13, chloro)

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

**ICAO/IATA Class:** 9

**UN/ID Number:** 3082

**Label:** 9

**Packaging group:** III

**Proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Alkanes, C10-13, chloro)

## 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:**

 Xn Harmful  
 N Dangerous for the environment

**Hazard-determining components of labelling:**

Alkanes, C10-13, chloro

Thiram

Manganese dioxide

**Risk phrases:**

22 Harmful if swallowed.

36/38 Irritating to eyes and skin.

40 Limited evidence of a carcinogenic effect.

43 May cause sensitisation by skin contact.

50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

68 Possible risk of irreversible effects.

**Safety phrases:**

2 Keep out of the reach of children.

9 Keep container in a well-ventilated place.

13 Keep away from food, drink and animal feedingstuffs.

23 Do not breathe fumes.

25 Avoid contact with eyes.

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

36/37 Wear suitable protective clothing and gloves.

45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

51 Use only in well-ventilated areas.

52 Not recommended for interior use on large surface areas.

57 Use appropriate container to avoid environmental contamination.

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

61 Avoid release to the environment. Refer to special instructions/safety data sheets.

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

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**Material Safety Data Sheet**  
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**Trade name: Vertiseal CE Standard Part A**

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

20/22 Harmful by inhalation and if swallowed.

35 Causes severe burns.

36/37 Irritating to eyes and respiratory system.

40 Limited evidence of a carcinogenic effect.

43 May cause sensitisation by skin contact.

50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

68 Possible risk of irreversible effects.

**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.: 12406

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Printing Date: 18.01.2005

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

### PRODUCT DETAILS

Trade name: Vertiseal CE Standard 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: 68611-50-7                     | Polysulphide polymer | R 52/53 | 30-50%  |
| CAS: 1317-65-3<br>EINECS: 215-279-6 | Calcium carbonate    |         | 50-100% |

**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 has to be labelled in accordance with applicable regulations.  
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.  
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.

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## According to 91/155 EEC

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**Trade name: Vertiseal CE Standard Part B**

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**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.

**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:**

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:**

**1317-65-3 Calcium carbonate**

|     |   |
|-----|---|
| OES | Long-term value: 10* 4** mg/m <sup>3</sup><br>*total inhalable dust **respirable dust |
|-----|---|

**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.

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# Material Safety Data Sheet

## According to 91/155 EEC

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**Trade name: Vertiseal CE Standard Part B**

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**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

|                |                                     |
|----------------|-------------------------------------|
| <b>Form:</b>   | Paste.                              |
| <b>Colour:</b> | According to product specification. |
| <b>Odour:</b>  | Characteristic.                     |

**Change in conditions:-**

|                                     |               |
|-------------------------------------|---------------|
| <b>Melting point/Melting range:</b> | Undetermined. |
| <b>Boiling point/Boiling range:</b> | > 100°C       |

**Flash point:** > 100°C**Self-igniting:** Product is not self-igniting.**Danger of explosion:** Product does not present an explosion hazard.**Relative density at 20°C:** 1.640 g/cm<sup>3</sup>**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 decomposition products:**

Hydrogen sulphide  
Carbon monoxide and carbon dioxide.  
Sulphur oxides (SO<sub>x</sub>).

## 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) |

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|            |          |                   |
|------------|----------|-------------------|
| Inhalative | LC50/4 h | > 6.82 mg/l (rat) |
|------------|----------|-------------------|

**Primary irritant effect:-****on the skin:** May be irritating to the skin on prolonged contact.**on the eye:** May be irritating to the eyes.

## 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)   |
| 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:** -
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**Trade name: Vertiseal CE Standard Part B**

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**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.

**Risk phrases:**

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

**Safety phrases:**

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

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

**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.**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:**

52/53 Harmful to aquatic organisms, 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

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