

**Safety data sheet**  
According to 1907/2006/EC, Article 31, 453/2010/EC

Printing Date: 18.02.2014

Version Number: 1.0

Revision Date: 18.02.2014

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier:**Trade name: DARAGROUT 188 (EH)**1.2 Relevant identified uses of the substance or mixture and uses advised against:**

Application of the substance/the preparation: Concrete Admixtures

**1.3 Details of the supplier of the safety data sheet:****Manufacturer/supplier:**

Grace Bauprodukte GmbH  
Pyrmonter Straße 56.D-32676 Lügde  
Postfach 1262 .D-32669 Lügde

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[www.graceconstruction.com](http://www.graceconstruction.com)Further information obtainable from: [msds.gcp@grace.com](mailto:msds.gcp@grace.com)**1.4 Emergency telephone number:**

+44 (0)1235 239 670 (Multi-lingual – 24 Hours)

+44 (0)1235 239 671 (Dedicated phone line for Arabic speaking countries - 24 Hours)

**SECTION 2: Hazards identification****2.1 Classification of the substance or mixture:****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.

**2.2 Label elements:****Labelling according to EU guidelines:** Observe the general safety regulations when handling chemicals.**Special labelling of certain preparations:**

Safety data sheet available for professional user on request.

**2.3 Other hazards:****Results of PBT and vPvB assessment:****PBT:** Not applicable.**vPvB:** Not applicable.**SECTION 3: Composition/information on ingredients****3.2 Chemical characterization: Mixtures:****Description:**

Mixture of substances listed below with non-hazardous additions.

For further information, please refer to the product technical data sheet.

(Contd. on page 2)

GB

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(Contd. of page 1)

**Dangerous components:**

CAS: 1317-65-3 EINECS: 215-279-6	Calcium carbonate substance with a Community workplace exposure limit	30-50%
CAS: 8002-74-2 EINECS: 232-315-6	Paraffin waxes and hydrocarbon waxes substance with a Community workplace exposure limit	5.0-10.0%

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

## SECTION 4: First aid measures

### 4.1 Description of 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.

#### 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.

### 4.2 Most important symptoms and effects, both acute and delayed:

No further relevant information available.

### 4.3 Indication of any immediate medical attention and special treatment needed:

No further relevant information available.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media:

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

**5.2 Special hazards arising from the substance or mixture:** No further relevant information available.

### 5.3 Advice for firefighters:

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

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

GB

(Contd. on page 3)

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(Contd. of page 2)

**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures:**

Wear protective equipment. Keep unprotected persons away.

**6.2 Environmental precautions:**

Inform respective authorities in case of seepage into water course or sewage system.

**6.3 Methods and material for containment and cleaning up:**

Send for recovery or disposal in suitable receptacles.

**6.4 Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

**SECTION 7: Handling and storage****7.1 Precautions for safe handling:**

Open and handle receptacle with care.

Ensure good interior ventilation.

Do not breathe dust.

Store in original containers.

**Information about fire - and explosion protection:** No special measures required.**7.2 Conditions for safe storage, including any incompatibilities:****STORAGE****Information about storage in one common storage facility:** No special measures required.**Further information about storage conditions:** Store in cool, dry conditions in well sealed receptacles.**7.3 Specific end use(s):** No further relevant information available.**SECTION 8: Exposure controls/personal protection****Additional information about design of technical facilities:** No further data; see item 7.**8.1 Control parameters:****Ingredients with limit values that require monitoring at the workplace:****1317-65-3 Calcium carbonate**OWL (8H) | Short-term value: 4 mg/m<sup>3</sup>**8002-74-2 Paraffin waxes and hydrocarbon waxes**WEL | Short-term value: 6 mg/m<sup>3</sup>  
Long-term value: 2 mg/m<sup>3</sup>**Additional information:** Based on the lists valid at the date of MSDS creation.

(Contd. on page 4)

GB

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(Contd. of page 3)

**8.2 Exposure controls:****PERSONAL PROTECTIVE EQUIPMENT****General protective and hygienic measures:** Avoid contact with the eyes and skin.**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.

Filter P

**Protection of hands:** Protective gloves.**Material of gloves:** PVC gloves.**Penetration time of glove material:**

The exact breakthrough time has to be determined by the manufacturer of the protective gloves and has to be observed.

**Eye protection:**

Safety glasses with side shield protection.

**Body protection:** Protective work clothing.**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties:****GENERAL INFORMATION****Appearance:**

<b>Form:</b>	Powder.
<b>Colour:</b>	Light brown
<b>Odour:</b>	Characteristic.
<b>Odour threshold:</b>	Not determined.

**pH-value (~) at 20 °C:** 9**Change in conditions:-**

<b>Melting point/Melting range:</b>	Undetermined.
<b>Boiling point/Boiling range:</b>	Not determined.
<b>Flash point:</b>	Not applicable.

**Flammability (solid, gaseous):** Not determined.**Ignition temperature:** Not determined.**Decomposition temperature:** Not determined.**Self-igniting:** Product is not self-igniting.**Danger of explosion:** Product does not present an explosion hazard.**EXPLOSION LIMITS**

<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.
<b>VOC Content:</b>	Not determined.

**Vapour pressure:** Not applicable.

(Contd. on page 5)

GB

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(Contd. of page 4)

<b>Density:</b>	Not determined.
<b>Relative density:</b>	Not determined.
<b>Vapour density:</b>	Not applicable.
<b>Evaporation rate:</b>	Not applicable.

<b>Solubility in/Miscibility with:- Water:</b>	Not miscible or difficult to mix.
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<b>Partition coefficient (n-octanol/water):</b>	Not determined.
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<b>VISCOSITY</b>	
<b>Dynamic:</b>	Not applicable.
<b>Kinematic:</b>	Not applicable.
<b>Molecular weight</b>	Not applicable.

<b>9.2 Other information:</b>	No further relevant information available.
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## SECTION 10: Stability and reactivity

**10.1 Reactivity:** Stable under normal conditions.

**10.2 Chemical stability:**

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

**10.3 Possibility of hazardous reactions** No dangerous reactions known.

**10.4 Conditions to avoid:** No further relevant information available.

**10.5 Incompatible materials:** No further relevant information available.

**10.6 Hazardous decomposition products:** Carbon monoxide and carbon dioxide.

## SECTION 11: Toxicological information

**11.1 Information on toxicological effects:**

**ACUTE TOXICITY**

**Primary irritant effect:-**

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

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

**Additional toxicological information:**

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

## SECTION 12: Ecological information

**12.1 Toxicity:**

**AQUATIC TOXICITY** No further relevant information available.

**12.2 Persistence and degradability:** No further relevant information available.

**12.3 Bioaccumulative potential:** No further relevant information available.

(Contd. on page 6)

GB

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(Contd. of page 5)

**12.4 Mobility in soil:** No further relevant information available.

**ADDITIONAL ECOLOGICAL INFORMATION**

**General notes:** Not known to be hazardous to water.

**12.5 Results of PBT and vPvB assessment:**

**PBT:** Not applicable.

**vPvB:** Not applicable.

**12.6 Other adverse effects:** No further relevant information available.

**SECTION 13: Disposal considerations**

**13.1 Waste treatment methods:**

**Recommendation:**



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

**European waste catalogue:**

06 00 00	WASTES FROM INORGANIC CHEMICAL PROCESSES
06 03 00	wastes from the MFSU of salts and their solutions and metallic oxides
06 03 14	solid salts and solutions other than those mentioned in 06 03 11 and 06 03 13

**UNCLEANED PACKAGING**

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

**SECTION 14: Transport information**

**14.1 UN-Number**

ADR, IMDG, IATA

Not Regulated

**14.2 UN proper shipping name**

ADR, IMDG, IATA

Not Regulated

**14.3 Transport hazard class(es)**

ADR, IMDG, IATA

Class

Not Regulated

**14.4 Packing group**

ADR, IMDG, IATA

Not Regulated

**14.5 Environmental hazards:**

Marine pollutant:

No.

**14.6 Special precautions for user:**

Not Regulated

**14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:**

Not Regulated

GB

(Contd. on page 7)

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(Contd. of page 6)

**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:**

See Section 2 for hazard identification.

**National regulations:****Other regulations, limitations and prohibitive regulations:** All components EINECS listed or exempt.**15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.**SECTION 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:**

Product Stewardship Department - GRACE, 580-581 Ipswich Road, Slough, Berkshire, SL1 4EQ

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