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## **! SECTION 1: Identification of the substance/mixture and of the company/undertaking**

### **1.1. Product identifier**

**Name of product** F9300

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

#### **Identified uses**

##### **Process categories [PROC]**

PROC2 - Use in closed, continuous process with occasional controlled exposure

PROC3 - Use in closed batch process (synthesis or formulation)

PROC5 - Mixing or blending in batch processes for formulation of preparations and articles (multistage and/or significant contact)

PROC7 - Industrial spraying

PROC8a - Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non-dedicated facilities

PROC9 - Transfer of substance or preparation into small containers (dedicated filling line, including weighing)

PROC13 - Treatment of articles by dipping and pouring

PROC8b - Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities

PROC22 - Potentially closed processing operations with minerals/metals at elevated temperature; industrial setting

PROC26 - Handling of solid inorganic substances at ambient temperature

PROC10 - Roller application or brushing

PROC11 - Non industrial spraying

PROC19 - Hand-mixing with intimate contact and only PPE available

### **1.3. Details of the supplier of the safety data sheet**

#### **Manufacturer/distributor**

TPH Bausysteme GmbH  
Nordportbogen 8, D-22848 Norderstedt  
Phone +49 (0)40 / 52 90 66 78-0, Fax +49 (0)40 / 52 90 66 78-78  
E-Mail [info@tph-bausysteme.com](mailto:info@tph-bausysteme.com)  
Internet [www.tph-bausysteme.com](http://www.tph-bausysteme.com)

#### **Advice**

E-mail (competent person):  
[sdb-info@tph-bausysteme.com](mailto:sdb-info@tph-bausysteme.com)

### **1.4. Emergency telephone number**

#### **Emergency advice**

GIZ-Nord  
Phone +49 (0)551 / 19240

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## **SECTION 2: Hazards identification**

### **2.1. Classification of the substance or mixture**

**Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]**

Hazard classes and Hazard categories	Hazard Statements	Classification procedure
Skin Irrit. 2	H315	On basis of test data.
Eye Dam. 1	H318	On basis of test data.
Skin Sens. 1	H317	
STOT SE 3	H335	

**Hazard statements for health hazards**

H315 Causes skin irritation.  
 H317 May cause an allergic skin reaction.  
 H318 Causes serious eye damage.  
 H335 May cause respiratory irritation.

**Additional hints**

Reacts with water strongly caustic - protect skin and eyes. Chromate poor (according to Regulation (EC) 1907/2006 - Annex XVII).

The substance is classified as hazardous according to Regulation (EC) 1272/2008 [GHS].

**2.2. Label elements**
**Labelling according to Regulation (EC) No 1272/2008 [CLP/GHS]**


GHS05



GHS07

**Signal word**

Danger

**Hazard statements for health hazards**

H315 Causes skin irritation.  
 H317 May cause an allergic skin reaction.  
 H318 Causes serious eye damage.  
 H335 May cause respiratory irritation.

**Precautionary Statements**
**Prevention**

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
 P280 Wear protective gloves/protective clothing/eye protection/face protection.

**Response**

P302 + P350 IF ON SKIN: Gently wash with plenty of soap and water.  
 P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**Disposal**

P501 Dispose of contents/container to local waste disposal company.

**Hazardous ingredients for labeling**

Portland cement clinker

**2.3. Other hazards**

No information available.

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## SECTION 3: Composition/ information on ingredients

### 3.1. Substances

not applicable

### 3.2. Mixtures

#### Hazardous ingredients

CAS No	EC No	Name	[% weight]	Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]
65997-15-1	266-043-4	Portland cement clinker	20 - 50	Eye Dam. 1, H318 / Skin Irrit. 2, H315 / Skin Sens. 1, H317 / STOT SE 3, H335

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## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

In the event of persistent symptoms receive medical treatment.

#### In case of inhalation

Ensure of fresh air.

In the event of symptoms refer for medical treatment.

#### In case of skin contact

In case of contact with skin wash off with water.

Consult a doctor if skin irritation persists.

#### In case of eye contact

In case of contact with eyes rinse with plenty of water carefully. In the event of persistent symptoms seek medical treatment.

#### In case of ingestion

Call for a doctor immediately.

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

No information available.

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

No information available.

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## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media

Product does not burn, fire-extinguishing activities according to surrounding.

### 5.2. Special hazards arising from the substance or mixture

No information available.

### 5.3. Advice for firefighters

#### Additional information

Not combustible under normal conditions.

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## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### For non-emergency personnel

Avoid dust formation.

#### 6.2. Environmental precautions

Do not discharge into the drains or bodies of water..

Collect contaminated water / firefighting water separately.

#### 6.3. Methods and material for containment and cleaning up

After taking up the material dispose according to regulation.

Take up mechanically.

#### Additional Information

Informations for disposal see chapter 13.

#### 6.4. Reference to other sections

No information available.

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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Advice on safe handling

Avoid the formation of dust.

#### General protective measures

Avoid contact with eyes and skin

Do not inhale dust.

#### Hygiene measures

At work do not eat, drink and smoke.

Remove soiled or soaked clothing immediately.

Keep separated from food and feed.

Wash hands before breaks and after work.

#### Advice on protection against fire and explosion

No special measures necessary.

### 7.2. Conditions for safe storage, including any incompatibilities

#### Advice on storage compatibility

no

#### Further information on storage conditions

Protect from atmospheric moisture and water

Keep container dry and tightly closed.

### 7.3. Specific end use(s)

No information available.

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## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

### 8.2. Exposure controls

#### Respiratory protection

Particle filter P2

In case of dust formation wear micro dust mask.

#### Hand protection

Synthetic rubber gloves

PVC gloves

Neoprene gloves

#### Eye protection

tightly fitting goggles

#### Other protection measures

protective clothing

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## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Appearance	Colour	Odour
powder	grey	odourless

#### Odour threshold

not determined

### Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
<b>pH value</b>	11 - 13,5	20 °C			
<b>Acid number</b>		not applicable			
<b>boiling range</b>		not applicable			
<b>melting range</b>		> 1250 °C			
<b>Flash point</b>		not applicable			
<b>Vapourisation rate</b>		not determined			
<b>Flammable (solid)</b>		not applicable			
<b>Flammability (gas)</b>		not applicable			
<b>Ignition temperature</b>		not applicable			
<b>Self ignition temperature</b>		no			
<b>Lower explosion limit</b>		not applicable			

	Value	Temperature	at	Method	Remark
<b>Upper explosion limit</b>	not applicable				
<b>Vapour pressure</b>	not applicable				
<b>Relative density</b>	not determined				
<b>Bulk density</b>	not determined				
<b>Vapour density</b>	not applicable				
<b>Solubility in water</b>	3 g/l	20 °C			
<b>Solubility/other</b>	not determined				
<b>Partition coefficient n-octanol/water (log P O/W)</b>	not applicable				
<b>Decomposition temperature</b>	not determined				
<b>Viscosity dynamic</b>	not applicable				
<b>Viscosity kinematic</b>	not applicable				
<b>Solvent separation test</b>	not applicable				
<b>Solvent content</b>	no				
<b>Water content</b>	not determined				
<b>Solids content</b>	100 %				
<b>Combustion value</b>	not applicable				
<b>Oxidising properties</b>					
no					
<b>Explosive properties</b>					
no					
<b>9.2. Other information</b>					
No information available.					

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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No information available.

### 10.2. Chemical stability

No information available.

**10.3. Possibility of hazardous reactions**

No information available.

**10.4. Conditions to avoid**

None, if handled according to order.

**10.5. Incompatible materials**
**Substances to avoid**

Reactions with acids.

**10.6. Hazardous decomposition products**

No dangerous composition products during appropriate storage and handling.

**Thermal decomposition**

Remark No decomposition if used as directed.

**Additional information**

Reacts with water strongly caustic.

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**SECTION 11: Toxicological information**
**11.1. Information on toxicological effects**
**Acute toxicity/Irritation/Sensitization**

	Value/Validation	Species	Method	Remark
<b>LD50 acute oral</b>	not determined			
<b>LD50 acute dermal</b>	2000 mg/kg	rabbit	Limit test, 24 h	
<b>LC50 acute inhalation</b>	not determined			
<b>Skin irritation</b>	irritant			
<b>Eye irritation</b>	risk of strong eye injuries			
<b>Skin sensitization</b>	sensitizing			
<b>Sensitization respiratory system</b>	non-sensitizing			

**Subacute Toxicity - Carcinogenicity**

	Value	Species	Method	Validation
<b>Subacute Toxicity</b>	not determined			
<b>Subchronic Toxicity</b>	not determined			

	Value	Species	Method	Validation
<b>Chronic Toxicity</b>	not determined			
<b>Mutagenicity</b>				No mutagenicity, after different in-vitro studies.
<b>Reproduction-Toxicity</b>				No indications of toxic effects were observed in reproduction studies in animals.
<b>Carcinogenicity</b>				No indications of carcinogenic effects are available from long-term trials.

**Specific target organ toxicity (single exposure)**

No data available

**Specific target organ toxicity (repeated exposure)**

No data available

**Aspiration hazard**

No data available

**Experiences made from practice**

Risk of strong eye injuries.

Irritates mucous membranes.

Irritates eyes and skin.

**Additional information**

No toxicological data available.

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**SECTION 12: Ecological information**
**12.1. Toxicity**
**Ecotoxicological effects**

	Value	Species	Method	Validation
<b>Fish</b>	not determined			
<b>Daphnia</b>	not determined			
<b>Algae</b>	not determined			
<b>Bacteria</b>	not determined			

**12.2. Persistence and degradability**

	Elimination rate	Method of analysis	Method	Validation
<b>Physico-chemical degradability</b>	not applicable			
<b>Biological degradability</b>	not applicable			
<b>Degradability</b>	not applicable			

	Elimination rate	Method of analysis	Method	Validation
<b>Biological eliminability</b>	not applicable			
<b>Degradability according to WRMG</b>	not applicable			

**12.3. Bioaccumulative potential**

No data available

**12.4. Mobility in soil**

No data available

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

No information available.

**12.6. Other adverse effects**
**Behaviour in sewage plant**

The product is an alkaline solution. Neutralization is normally necessary before waste water is discharged into sewage treatment plants.

**Respiration inhibition of activated sludge**

	Value	Method	Remark
<b>EC 50</b>	not determined		

**General regulation**

Ecological dates are not available.

Product is not allowed to be discharged into the ground water or aquatic environment.

Product is not allowed to be discharged into aquatic environment, drains or sewage treatment plants.

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**SECTION 13: Disposal considerations**
**13.1. Waste treatment methods**
**Waste code No.**

17 09 04

**Name of waste**

mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03

**Recommendations for the product**

Remove in accordance with local official regulations.

**Recommendations for packaging**

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.

Packaging that cannot be cleaned should be disposed of like the product.

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**SECTION 14: Transport information**

	ADR/RID	IMDG	IATA-DGR
<b>14.1. UN number</b>	-	-	-

	ADR/RID	IMDG	IATA-DGR
<b>14.2. UN proper shipping name</b>	-	-	-
<b>14.3. Transport hazard class(es)</b>	-	-	-
<b>14.4. Packing group</b>	-	-	-
<b>14.5. Environmental hazards</b>	-	-	-
<b>14.6. Special precautions for user</b> No information available.			
<b>14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b> No information available.			
<b>Land and inland navigation transport ADR/RID</b> No dangerous goods as defined by these transport regulations.			
<b>Marine transport IMDG</b> No dangerous goods as defined by these transport regulations.			
<b>Air transport ICAO/IATA-DGR</b> No dangerous goods as defined by these transport regulations.			
<b>Transport/further information</b> No dangerous goods as defined by the transport regulations - ADR/RID, IMDG, ICAO/IATA-DGR.			

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## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### National regulations

#### Other regulations, restrictions and prohibition regulations

ZH 1/129 "Data Sheet: Irritating substances / corrosive substances (M 004)"

**Water hazard class** 1 Mixture-WGK

#### Technical instruction air

Class III

Anteil < 1 %

### 15.2. Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

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## SECTION 16: Other information

#### Recommended uses and restrictions

National and local regulations concerning chemicals shall be observed.

#### Further information

The information contained herein is based on the state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.

- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H335 May cause respiratory irritation.