

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

**1.1. Product identifier**

Name of product F30

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

No information 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  
Internet www.tph-bausysteme.com

**Advice**

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

**1.4. Emergency telephone number**

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

**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              |                          |
| Eye Dam. 1                           | H318              |                          |
| STOT SE 3                            | H335              |                          |

**Hazard statements for health hazards**

H315 Causes skin irritation.  
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).

This mixture is classified as hazardous according to Regulation (EC) No 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.  
H318 Causes serious eye damage.  
H335 May cause respiratory irritation.

**Precautionary Statements**

**General**

P102 Keep out of reach of children.

**Prevention**

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

**Response**

P302 + P352 IF ON SKIN: Wash with plenty of water/soap.  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310 Immediately call a POISON CENTER/doctor.

**Hazardous ingredients for labeling**

Calcium oxide, Portland cement, Flue dust, portland cement

**2.3. Other hazards**

**Adverse human health effects and symptoms**

Inhalation of dust may cause irritation of the respiratory system.

**Results of PBT and vPvB assessment**

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

**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 (chromate-reduced) | > 25 < 40  | Skin Irrit. 2, H315 / Eye Dam. 1, H318 / STOT SE 3, H335                      |
| 1305-78-8  | 215-138-9 | Calcium oxide                      | 5 < 10     | Eye Dam. 1, H318  |
| 68475-76-3 | 270-659-9 | Flue dust, portland cement         | 1 < 2,5    | Skin Irrit. 2, H315 / Skin Sens. 1, H317 / Eye Dam. 1, H318 / STOT SE 3, H335 |

**REACH**

| CAS No     | Name                       | REACH registration number |
|------------|----------------------------|---------------------------|
| 68475-76-3 | Flue dust, portland cement | 01-2119486767-17-xxxx     |

## **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**

#### **Treatment (Advice to doctor)**

Treat symptoms.

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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.

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**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.

**Storage group** 13

**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**  
powder

**Colour**  
grey

**Odour**  
hardly noticeable

**Odour threshold**  
not determined

### Important health, safety and environmental information

|  | Value                              | Temperature | at | Method         | Remark   |
|--|------------------------------------|-------------|----|----------------|----------|
| <b>pH value</b>  | > 11                               |             |    |                |          |
| <b>Acid number</b>                                       | not determined                     |             |    |                |          |
| <b>boiling range</b>                                     | not applicable                     |             |    |                |          |
| <b>melting range</b>                                     | not applicable                     |             |    |                |          |
| <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                     |             |    |                |          |
| <b>Upper explosion limit</b>                             | not applicable                     |             |    |                |          |
| <b>Vapour pressure</b>                                   | not applicable                     |             |    |                |          |
| <b>Relative density</b>                                  | not determined                     |             |    |                |          |
| <b>Bulk density</b>                                      | ca. 1,4 - 1,5<br>g/cm <sup>3</sup> |             |    |                |          |
| <b>Vapour density</b>                                    | not applicable                     |             |    |                |          |
| <b>Solubility in water</b>                               |                                    |             |    |                | miscible |
| <b>Solubility/other</b>                                  |                                    |             |    | not determined |          |
| <b>Partition coefficient n-octanol/water (log P O/W)</b> | not applicable                     |             |    |                |          |

|                                  | Value             | Temperature | at | Method | Remark |
|----------------------------------|-------------------|-------------|----|--------|--------|
| <b>Decomposition temperature</b> | No data available |             |    |        |        |
| <b>Viscosity dynamic</b>         | not applicable    |             |    |        |        |
| <b>Solvent separation test</b>   | not applicable    |             |    |        |        |
| <b>Solvent content</b>           | 0 %               |             |    |        |        |
| <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                |             |    |        |        |

## 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.

## 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>               | no                          |         |                  |        |
| <b>Sensitization respiratory system</b> | no                          |         |                  |        |

#### Subacute Toxicity - Carcinogenicity

|                              | Value             | Species | Method | Validation |
|------------------------------|-------------------|---------|--------|------------|
| <b>Subacute Toxicity</b>     | No data available |         |        |            |
| <b>Subchronic Toxicity</b>   | No data available |         |        |            |
| <b>Chronic Toxicity</b>      | No data available |         |        |            |
| <b>Mutagenicity</b>          | no                |         |        |            |
| <b>Reproduction-Toxicity</b> | no                |         |        |            |
| <b>Carcinogenicity</b>       | no                |         |        |            |

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

May cause respiratory irritation.

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

no

#### Aspiration hazard

no

#### Toxicity test (Additional information)

no

**Experiences made from practice**

Risk of strong eye injuries.  
Irritates mucous membranes.  
Irritates eyes and skin.

**Additional information**

The declarations of toxicology refer to main component.

**SECTION 12: Ecological information**

**12.1. Toxicity**

**Ecotoxicological effects**

|                 | Value             | Species | Method | Validation |
|-----------------|-------------------|---------|--------|------------|
| <b>Fish</b>     | No data available |         |        |            |
| <b>Daphnia</b>  | No data available |         |        |            |
| <b>Algae</b>    | No data available |         |        |            |
| <b>Bacteria</b> | No data available |         |        |            |

**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   |                    |        |            |
| <b>Biological eliminability</b>        | not applicable   |                    |        |            |
| <b>Degradability according to WRMG</b> | not applicable   |                    |        |            |

**12.3. Bioaccumulative potential**

The product has not been tested. Because of the product's consistency and low solubility in water bioavailability is not likely.

**12.4. Mobility in soil**

No data available

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

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

**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 |        |        |

**Additional ecological information**

|            | Value          | Method | Remark |
|------------|----------------|--------|--------|
| <b>OC</b>  | not applicable |        |        |
| <b>COD</b> | not applicable |        |        |
| <b>BOD</b> | not applicable |        |        |
| <b>AOX</b> | not applicable |        |        |

**Contains following heavy metals and compounds of the 76/464/EWG**

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.

**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.

**SECTION 14: Transport information**

|   | ADR/RID | IMDG | IATA-DGR |
|---|---------|------|----------|
| <b>14.1. UN number</b>                  | -       | -    | -        |
| <b>14.2. UN proper shipping name</b>    | -       | -    | -        |
| <b>14.3. Transport hazard class(es)</b> | -       | -    | -        |
| <b>14.4. Packing group</b>              | -       | -    | -        |

|  | ADR/RID | IMDG | IATA-DGR |
|--|---------|------|----------|
| <b>14.5. Environmental hazards</b>   | -       | -    | -        |
| <b>14.6. Special precautions for user</b><br>No information available.   |         |      |          |
| <b>14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b><br>No information available.                 |         |      |          |
| <b>Land and inland navigation transport ADR/RID</b><br>No dangerous goods as defined by these transport regulations.               |         |      |          |
| <b>Marine transport IMDG</b><br>No dangerous goods as defined by these transport regulations.                                      |         |      |          |
| <b>Air transport ICAO/IATA-DGR</b><br>No dangerous goods as defined by these transport regulations.                                |         |      |          |
| <b>Transport/further information</b><br>No dangerous goods as defined by the transport regulations - ADR/RID, IMDG, ICAO/IATA-DGR. |         |      |          |

## 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

### 15.2. Chemical Safety Assessment

No information available.

## 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.

Indication of changes: "!" = Data changed compared with the previous version. Previous version: 2.4

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