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

1.1. Product identifier

Name of product F2102 FV

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
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]

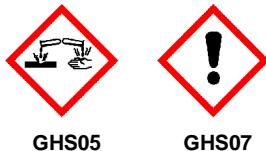
Hazard classes and Hazard categories	Hazard Statements	Classification procedure
Skin Irrit. 2	H315	On basis of test data.
Eye Dam. 1	H318	On basis of test data.
STOT SE 3	H335	

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]

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.

Disposal

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

Hazardous ingredients for labeling

Portland cement clinker

2.3. Other hazards
Results of PBT and vPvB assessment
 not applicable

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 <= 100	Eye Dam. 1, H318 / Skin Irrit. 2, H315 / Skin Sens. 1, H317 / STOT SE 3, H335
1305-62-0	215-137-0	Calcium hydroxide	>= 1 < 10	Skin Irrit. 2, H315 / Eye Dam. 1, H318 / STOT SE 3, H335

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.

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.

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.

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.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Ingredients with occupational exposure limits to be monitored

CAS No	Name	Code	[mg/m3]	[ppm]	Remark
1305-62-0	Calcium hydroxide	IOELV, 8 hours	5		

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

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
pH value	11 - 13,5	20 °C			
Acid number	not applicable				
boiling range	not applicable				
melting range	> 1250 °C				
Flash point	not applicable				
Vapourisation rate	not applicable				
Flammable (solid)	not applicable				
Flammability (gas)	not applicable				
Ignition temperature	not applicable				

	Value	Temperature	at	Method	Remark
Self ignition temperature	no				
Lower explosion limit	not applicable				
Upper explosion limit	not applicable				
Vapour pressure	not applicable				
Relative density	not determined				
Bulk density	900 - 1500 kg/m ³				
Vapour density	not applicable				
Solubility in water	3 g/l	20 °C			
Solubility/other	not determined				
Partition coefficient n-octanol/water (log P_{O/W})	not applicable				
Decomposition temperature	> 580 °C				
Viscosity dynamic	not applicable				
Viscosity kinematic	not applicable				
Solvent separation test	not applicable				
Solvent content	no				
Water content	not determined				
Solids content	> 98 %				
Combustion value	not applicable				
Oxidising properties	no				
Explosive properties	no				
9.2. Other information	no				

SECTION 10: Stability and reactivity

10.1. Reactivity

In case of addition of water warming up.
 Evolution of heat under influence of acids.

10.2. Chemical stability

Reactions with water.

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
LD50 acute oral	no			Information concerns to main component.
LD50 acute dermal	2000 mg/kg	rabbit	Limit test, 24 h	
LC50 acute inhalation	no			
Skin irritation	irritant			
Eye irritation	risk of strong eye injuries			
Skin sensitization	sensitizing			
Sensitization respiratory system	non-sensitizing			

Subacute Toxicity - Carcinogenicity

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

Specific target organ toxicity (single exposure)

May cause respiratory irritation.

Specific target organ toxicity (repeated exposure)

No data available

Aspiration hazard

not applicable

Toxicity test (Additional information)

No experimental indication of genotoxic effects.

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
Fish	No data available			
Daphnia	No data available			
Algae	No data available			
Bacteria	No data available			

12.2. Persistence and degradability

	Elimination rate	Method of analysis	Method	Validation
Physico-chemical degradability	not applicable			
Biological degradability	not applicable			
Degradability	not applicable			
Biological eliminability	not applicable			
Degradability according to WRMG	not applicable			

12.3. Bioaccumulative potential

not applicable

12.4. Mobility in soil

not applicable

12.5. Results of PBT and vPvB assessment

not applicable

12.6. Other adverse effects

no

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
EC 50	No data available		

Additional ecological information

	Value	Method	Remark
OC	not applicable		
COD	not applicable		
BOD	not applicable		
AOX	No data available		

Contains following heavy metals and compounds of the 76/464/EG

No data available

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
14.1. UN number	-	-	-
14.2. UN proper shipping name	-	-	-
14.3. Transport hazard class(es)	-	-	-
14.4. Packing group	-	-	-
14.5. Environmental hazards	-	-	-
14.6. Special precautions for user			
No information available.			
14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code			
No information available.			
Land and inland navigation transport ADR/RID			
No dangerous goods as defined by these transport regulations.			
Marine transport IMDG			
No dangerous goods as defined by these transport regulations.			
Air transport ICAO/IATA-DGR			
No dangerous goods as defined by these transport regulations.			
Transport/further information			
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 1/132 "Data Sheet: Skin protection (M 042)"

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.

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: 1.4

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