

SCHÖNOX FPL PLUS

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

1.1 Product identifier

Product name : SCHÖNOX FPL PLUS
Product description : Levelling compound based on cement

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

Identified uses : Building and construction work (SU19)
Professional uses: Public domain (administration, education, entertainment, services, craftsmen) (SU22)
Industrial uses: Uses of substances as such or in preparations* at industrial sites (SU03)

1.3 Details of the supplier of the safety data sheet

Manufacturer/ Supplier : SCHÖNOX GmbH
Alfred-Nobel-Straße 6
48720 Rosendahl
Germany

Phone: +49 (0) 2547 - 910-0
Fax: +49 (0) 2547 - 910-101
E-mail: info@schoenox.de

e-mail address of person responsible for this SDS : info@schoenox.de

Emergency telephone number : +49-170-2255126

1.4 National advisory body/Poison Centre

Germany : +49 (0) 30 192 40 (Poison Center Berlin)
Austria : +43 (0) 1 406 43 43 (VIZ)
Switzerland : +41 (0) 44 251 51 51 (STIZ)
Netherlands : +31 (0) 30 274 88 88 (NVIC)
Belgium : +32 (0) 70 245 245 (Antipoison Center)
Great Britain (GB) : +44 (0) 870 600 6266 (NPIS)
France : +33 (0) 1 45 42 59 59 (INRS/ORFILA)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Product definition : Mixture

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

Classification : Eye Dam. 1, H318

Classification according to Directive 1999/45/EC [DPD]

Classification : Xi; R41, R37/38

Physical/chemical hazards : Not applicable.

Human health hazards : Risk of serious damage to eyes. Irritating to respiratory system and skin.

Environmental hazards : Not applicable.

2.2 Label elements

Hazard pictograms :



Signal word : Danger

Date of issue : 27.05.2014

1/10

SCHÖNOX FPL PLUS

SECTION 2: Hazards identification

Hazard statements	: H318 - Causes serious eye damage.
Precautionary statements	: P102 - Keep out of reach of children. P280 - Wear protective gloves/protective clothing/eye protection/face protection. P305 - IF IN EYES: P351 - Rinse cautiously with water for several minutes. P338 - Remove contact lenses, if present and easy to do. Continue rinsing. P337 - If eye irritation persists: P313 - Get medical advice/attention.
Hazardous ingredients	: Cement, portland
Supplemental label elements	: Not applicable.

2.3 Other hazards

Other hazards which do not result in classification	: Handling and/or processing of this material may generate a dust which can cause mechanical irritation of the eyes, skin, nose and throat.
--	---

See Section 11 for more detailed information on health effects and symptoms.

See Section 16 for the full text of the R phrases or H statements declared above.

SECTION 3: Composition/information on ingredients

Substance/mixture	: Mixture
Chemical characterisation	: Cement less on cromate according to REACH, calcium sulphate, mineral fillers and additives.

Ingredient name	Identifiers	%	Classification		Type
			67/548/EEC	Regulation (EC) No. 1272/2008 [CLP]	
Silica, crystalline - quartz	EC: 238-878-4 CAS: 14808-60-7	25 - 50	Not classified.	Not classified.	[2]
Cement, alumina, chemicals	EC: 266-045-5 CAS: 65997-16-2	2.5 - 10	Xi; R41, R37/38	Not classified.	[2]
Cement, portland	EC: 266-043-4 CAS: 65997-15-1	2.5 - 10	Xi; R41, R37/38	Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335	[1] [2]
calcium sulfate	EC: 231-900-3 CAS: 7778-18-9	2.5 - 10	Not classified.	Not classified.	[2]

Type [1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

[3] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII

[4] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII

Occupational exposure limits, if available, are listed in Section 8.

See Section 16 for the full text of the R phrases or H statements declared above.

SECTION 4: First aid measures

4.1 Description of first aid measures

General	: In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and seek medical advice.
Eye contact	: Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek immediate medical attention.
Inhalation	: Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.

Date of issue : 27.05.2014

2/10

SCHÖNOX FPL PLUS

SECTION 4: First aid measures

- Skin contact** : Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners.
- Ingestion** : If swallowed, seek medical advice immediately and show the container or label. Keep person warm and at rest. Do NOT induce vomiting.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training.

4.2 Most important symptoms and effects, both acute and delayed

Potential acute health effects

- Eye contact** : Causes serious eye damage.
- Inhalation** : May give off gas, vapor or dust that is very irritating or corrosive to the respiratory system.
- Skin contact** : No known significant effects or critical hazards.
- Ingestion** : May cause burns to mouth, throat and stomach.

Over-exposure signs/symptoms

- Eye contact** : Adverse symptoms may include the following:
pain
watering
redness
- Inhalation** : Adverse symptoms may include the following:
respiratory tract irritation
coughing
- Skin contact** : Adverse symptoms may include the following:
pain or irritation
redness
blistering may occur
- Ingestion** : Adverse symptoms may include the following:
stomach pains

4.3 Indication of any immediate medical attention and special treatment needed

- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

SECTION 5: Firefighting measures

5.1 Extinguishing media

- Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.
Recommended: alcohol-resistant foam, CO₂, powders, water spray.
- Unsuitable extinguishing media** : None known.

5.2 Special hazards arising from the substance or mixture

- Hazards from the substance or mixture** : Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard.
- Hazardous thermal decomposition products** : Decomposition products may include the following materials: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.

5.3 Advice for firefighters

- Protective measures** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
- Special protective equipment for fire-fighters** : Fire-fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.

SCHÖNOX FPL PLUS

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel** : Exclude sources of ignition and ventilate the area. Avoid breathing vapour or mist. Refer to protective measures listed in sections 7 and 8.
- For emergency responders** : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

- 6.2 Environmental precautions** : Do not allow to enter drains or watercourses. If the product contaminates lakes, rivers, or sewers, inform the appropriate authorities in accordance with local regulations.

- 6.3 Methods and materials for containment and cleaning up** : Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Preferably clean with a detergent. Avoid using solvents.

- 6.4 Reference to other sections** : See Section 1 for emergency contact information.
See Section 8 for information on appropriate personal protective equipment.
See Section 13 for additional waste treatment information.

SECTION 7: Handling and storage

The information in this section contains generic advice and guidance.

7.1 Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8). Do not get in eyes or on skin or clothing. Do not breathe dust. Do not ingest. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

- 7.2 Conditions for safe storage, including any incompatibilities** : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

7.3 Specific end use(s)

- Recommendations** : Not available.

SECTION 8: Exposure controls/personal protection

The information in this section contains generic advice and guidance.

8.1 Control parameters

Occupational exposure limits (OEL)

Ingredient name	Exposure limit values
Quartz (SiO ₂)	TRGS900 AGW (Germany). AGW: 3 mg/m ³ Form: Respirable dust AGW: 10 mg/m ³ Form: Total dust
Cement, alumina, chemicals	TRGS900 AGW (Germany). AGW: 3 mg/m ³ Form: Respirable dust AGW: 10 mg/m ³ Form: Total dust
Cement, portland	TRGS900 AGW (Germany, 8/2010). AGW: 5 mg/m ³ 8 hours. Form: inhalable dust
calcium sulfate	TRGS900 AGW (Germany, 8/2010). TWA: 6 mg/m ³ 8 hours. Form: alveolar fraction

SCHÖNOX FPL PLUS

SECTION 8: Exposure controls/personal protection

Quartz (SiO ₂)	GKV_MAK (Austria, 12/2011). AMV: 0.15 mg/m ³ Form: respirable dust
calcium sulfate	GKV_MAK (Austria, 9/2007). TWA: 5 mg/m ³ 8 hours. Form: respirable fraction PEAK: 10 mg/m ³ , 2 times per shift, 60 minutes. Form: respirable fraction
Quartz (SiO ₂)	SUVA (Switzerland, 1/2012). TWA: 0.15 mg/m ³ 8 hours. Form: respirable dust
Limestone	SUVA (Switzerland, 1/2009). TWA: 10 mg/m ³ 8 hours. Form: inhalable fraction SUVA (Switzerland, 1/2009). Notes: not temporary TWA: 3 mg/m ³ 8 hours. Form: respirable dust
Quartz (SiO ₂)	MinSZW Wettelijke Grenswaarden (Netherlands, 6/2011). OEL, 8-h TWA: 0.075 mg/m ³ 8 hours. Form: respirable dust
calcium sulfate	MinSZW Wettelijke Grenswaarden (Netherlands). Comply with occupational limit values for dust.: 10 mg/m ³ Form: Inhalable TGG: 5 mg/m ³ Form: Respirable fraction
Quartz (SiO ₂)	Ministère du travail (France, 7/2012). Notes: Labour Act , Art 4412-149 (Regulatory binding exposure limits) TWA: 0.1 mg/m ³ 8 hours. Form: respirable aerosol
Limestone	Ministère du travail (France). CEIL: 10 mg/m ³
calcium sulfate	Ministère du travail (France, 10/2007). Notes: indicative exposure limits as published in Circulars between 1982 and 1996. TWA: 10 mg/m ³ 8 hours.

OEL Notes : There are no data available on the mixture itself. Users are advised to consider national Occupational Exposure Limits or other equivalent values.
Handling and/or processing of this material may generate a dust which can cause mechanical irritation of the eyes, skin, nose and throat. Comply with occupational limit values for dust.

Derived effect levels (DNEL = Derived No Effect Level)

No DELs available.

Predicted effect concentrations (PNEC = Predicted No Effect Concentration)

No PECs available.

8.2 Exposure controls

Appropriate engineering controls : Provide adequate ventilation. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general extraction.
Dry sanding, flame cutting and/or welding of the dry substrate can give rise to dust and/or hazardous fumes. If exposure cannot be avoided by the provision of local exhaust ventilation, suitable respiratory protective equipment should be used.

Individual protection measures

- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Take off contaminated clothing and wash before reuse.
- Eye/face protection** : Use safety eyewear designed to protect against splash of liquids.
- Hand protection** : Wear protective gloves. For prolonged or repeated handling, use the following type of gloves:
nitrile gloves
Company recommendation from KCL GmbH, Germany:
Gloves type: DERMATRIL 740; layer thickness: 0,11 mm; method: DIN EN 374
- Skin protection** : Personnel should wear antistatic clothing made of natural fibres or of high-temperature-resistant synthetic fibres.
Barrier creams may help to protect the exposed areas of the skin but should not be applied once exposure has occurred.
- Respiratory protection** : If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators.
Recommended disposable particulate mask (FFP2)

SCHÖNOX FPL PLUS

SECTION 8: Exposure controls/personal protection

Environmental exposure controls : No special measures required. Do not allow to enter drains or watercourses.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	: Solid. [Powder.]
Colour	: Grey. [Dark]
Odour	: Characteristic. [Slight]
Odour threshold	: Not determined.
pH	: Not available.
Melting point/freezing point	: Not available.
Initial boiling point and boiling range	: Not available.
Flash point	: [Product does not sustain combustion.]
Evaporation rate	: Not determined.
Flammability (solid, gas)	: Not determined.
Burning time	: Not determined.
Burning rate	: Not determined.
Explosion limits	: Not available.
Vapour pressure	: Not determined.
Vapour density	: Not determined.
Density	: 1.21 g/cm ³ [20°C]
Solubility(ies)	: Not available.
Partition coefficient: n-octanol/water	: Not determined.
Auto-ignition temperature	: Not available.
Decomposition temperature	: Not determined.
Viscosity	: Not available.
Explosive properties	: Not determined.
Oxidising properties	: Not determined.
9.2 Other information	: No additional information.

SECTION 10: Stability and reactivity

10.1 Reactivity	: No specific test data related to reactivity available for this product or its ingredients.
10.2 Chemical stability	: Stable under recommended storage and handling conditions (see Section 7).
10.3 Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.
10.4 Conditions to avoid	: No specific data.
10.5 Incompatible materials	: Keep away from the following materials to prevent strong exothermic reactions: oxidising agents, strong alkalis, strong acids.
10.6 Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SCHÖNOX FPL PLUS

SECTION 11: Toxicological information

11.1 Information on toxicological effects

There are no data available on the mixture itself.

Acute toxicity : No known significant effects or critical hazards. There are no data available on the mixture itself.

Potential acute health effects and information on the likely routes of exposure

Eye contact : Causes serious eye damage.
Inhalation : May give off gas, vapor or dust that is very irritating or corrosive to the respiratory system.
Skin contact : No known significant effects or critical hazards.
Ingestion : May cause burns to mouth, throat and stomach.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : Adverse symptoms may include the following:
 pain
 watering
 redness

Inhalation : Adverse symptoms may include the following:
 respiratory tract irritation
 coughing

Skin contact : Adverse symptoms may include the following:
 pain or irritation
 redness
 blistering may occur

Ingestion : Adverse symptoms may include the following:
 stomach pains

Other information

General : Repeated or prolonged inhalation of dust may lead to chronic respiratory irritation.
Carcinogenicity : No known significant effects or critical hazards.
Mutagenicity : No known significant effects or critical hazards.
Teratogenicity : No known significant effects or critical hazards.
Developmental effects : No known significant effects or critical hazards.
Fertility effects : No known significant effects or critical hazards.

SECTION 12: Ecological information

12.1 Ecotoxicity

There are no data available on the mixture itself. Do not allow to enter drains or watercourses.

Ingredient name	Result	Species	Exposure
calcium sulfate	Acute EC50 3200000 µg/l Fresh water	Algae - Navicula seminulum	96 hours
	Acute LC50 >1910000 µg/l Fresh water	Crustaceans - Ceriodaphnia dubia	48 hours
	Acute LC50 2980000 µg/l Fresh water	Fish - Lepomis macrochirus	96 hours
	Chronic NOEC 360 mg/l Fresh water	Daphnia - Daphnia magna - Neonate	3 weeks

Evaluation : Not available.

12.2 Persistence and degradability

Evaluation : Not available.

12.3 Bioaccumulative potential

Not available.

12.4 Mobility in soil

Soil/water partition coefficient (K_{oc}) : Not determined.

Mobility : There are no data available on the mixture itself.

SCHÖNOX FPL PLUS

SECTION 12: Ecological information

12.5 Results of PBT and vPvB assessment

- PBT** : Not applicable.
vPvB : Not applicable.
Additional information : This product contains None PBT and vPvB Substances .

12.6 Other adverse effects : No known significant effects or critical hazards.

SECTION 13: Disposal considerations

The information in this section contains generic advice and guidance.

Do not allow to enter drains or watercourses.

Dispose of according to all federal, state and local applicable regulations.

If this product is mixed with other wastes, the original waste product code may no longer apply and the appropriate code should be assigned.

For further information, contact your local waste authority.

13.1 Waste treatment methods

Methods of disposal : Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor.
 Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

Hazardous waste : Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 91/689/EEC.

European waste catalogue (EWC) : 17 01 07

17 01 07 mixtures of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06

If this product is mixed with other wastes, this code may no longer apply. If mixed with other wastes, the appropriate code should be assigned. For further information, contact your local waste authority.

Special precautions : Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues.

SECTION 14: Transport information

	ADR/RID	IMDG	IATA
UN number	Not regulated.	Not regulated.	Not regulated.
Proper shipping name	-	-	-
Classes	-	-	-
Label			
Packing group	-	-	-
Environmental hazards	No.	No.	No.
Additional information	-	-	-

SCHÖNOX FPL PLUS

SECTION 15: Regulatory information

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

EU Regulation (EC) No. 1907/2006 (REACH)

REACH information : All substances contained in our products are

- Preregistered or registered by our upstream suppliers and/or
- Preregistered or registered by us and/or
- Excluded from the REACH regulation and/or
- Subject to the REACH regulation, but exempted from the registration

Annex XIV - List of substances subject to authorisation : None of the components are listed.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles : Not applicable.

Biocidal Products Directive : Not applicable.

National regulations

Germany

Storage code : 13

Hazardous incident ordinance : Not applicable.

Hazard class for water : 1 Appendix No. 4

AOX : The product does not contain organically bound halogens which could lead to an AOX value in waste water.

Switzerland

VOC content (VOCV) : Liberated.

Netherlands

Water Discharge Policy (ABM) : Slightly harmful to aquatic organisms. Abatement effort: B

France

Social Security Code, Articles L 461-1 to L 461-7 : Quartz (SiO₂) RG 25

Classified installations for environmental protection : Not available.

Reinforced medical surveillance : Act of July 11, 1977 determining the list of activities which require reinforced medical surveillance: not applicable

Additional information

GISCODE : ZP1 - Cement based product, less on cromate (Cr6+ < 2 ppm)

EMICODE : EC1 PLUS R - very low-emission, regulated according to GEV

15.2 Chemical Safety Assessment : No Chemical Safety Assessment has been carried out.

SECTION 16: Other information

Abbreviations and acronyms : ATE = Acute Toxicity Estimate
 CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
 DNEL = Derived No Effect Level
 EUH statement = CLP-specific Hazard statement
 PNEC = Predicted No Effect Concentration
 RRN = REACH Registration Number

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]


Classification	Justification
Eye Dam. 1, H318	Calculation method

Date of issue : 27.05.2014

9/10

SCHÖNOX FPL PLUS

SECTION 16: Other information

Full text of abbreviated H statements	: H315 Causes skin irritation. H318 Causes serious eye damage. H335 May cause respiratory irritation.
Full text of classifications [CLP/GHS]	: Eye Dam. 1, H318 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1 Skin Irrit. 2, H315 SKIN CORROSION/IRRITATION - Category 2 STOT SE 3, H335 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) [Respiratory tract irritation] - Category 3
Full text of abbreviated R phrases	: R41- Risk of serious damage to eyes. R37/38- Irritating to respiratory system and skin.
Full text of classifications [DSD/DPD]	: Xi - Irritant
Date of printing	: 27.05.2014
Date of issue	: 27.05.2014
Version	: 4
	Indicates information that has changed from previously issued version.

FOR PROFESSIONAL USE ONLY

IMPORTANT NOTE: The information in this data sheet is not intended to be exhaustive and is based on the present state of our knowledge and on current laws: any person using the product for any purpose other than that specifically recommended in the technical data sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so at his own risk. It is always the responsibility of the user to take all necessary steps to fulfill the demands set out in the local rules and legislation. Always read the Material Data Sheet and the Technical Data Sheet for this product if available. All advice we give or any statement made about the product by us (whether in this data sheet or otherwise) is correct to the best of our knowledge but we have no control over the quality or the condition of the substrate or the many factors affecting the use and application of the product. Therefore, unless we specifically agree in writing otherwise, we do not accept any liability whatsoever for the performance of the product or for any loss or damage arising out of the use of the product. All products supplied and technical advice given are subject to our standard terms and conditions of sale. You should request a copy of this document and review it carefully. The information contained in this data sheet is subject to modification from time to time in the light of experience and our policy of continuous development. It is the user's responsibility to verify that this data sheet is current prior to using the product.

SCHÖNOX GmbH, Postbox 1140, D-48713 Rosendahl // <http://www.schoenox.de>

